



Programmer's Reference

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Pequel -- Pequel Query Language

version 2.0

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Pequel Class Hierarchy

```

+---root
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|   +---Pequel::Script
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|   |   +---Pequel::Main
|   |
|
+---Pequel::Error
|
+---Pequel::Parse::Compile
|
|   +---Pequel::Parse
|
+---Pequel::Collection::Element
|
|   +---Pequel::Collection::Cursor
|   |
|   |   +---Pequel::Collection::Iterator
|   |   |
|   |   |   +---Pequel::Collection::Vector
|   |   |   |
|   |   |   |   +---Pequel::Collection::Hierarchy
|   |   |   |   |
|   |   |   |   |   +---Pequel::Type::Option::Group::Docgen
|   |   |   |   |   |
|   |   |   |   |   |   +---Pequel::Type::Option::Group::Table
|   |   |   |   |   |   |
|   |   |   |   |   |   |   +---Pequel::Type::Option::Group::Oracle
|   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   +---Pequel::Type::Option::Group::Sqlite
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   +---Pequel::Type::Option::Group::Inline
|   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Option::Group::Developer
|   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Option::Group::Basic
|   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Option::Group::CommandLineOnly
|   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Option
|   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro::Group::Basic
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro::Group::Date
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro::Group::String
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro::Group::Array
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro::Group::Arithmetic
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro::Group::Other
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Type::Macro
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Collection::Vector::Stack
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Code::Generic
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Code::C
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Code::Perl
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Code::Pod
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Lister
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Lister::SrcList
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Lister::ProgRef
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Code
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Docgen
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Engine
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   +---Pequel::Engine::Inline

```

```

+---Pequel::Type::Data
|
+---Pequel::Type::Date
|
+---Pequel::Type::Month
|
+---Pequel::Type::Sections
|
+---Pequel::Type::Aggregate
|
+---Pequel::Type::Db::Vector
|
|   +---Pequel::Type::Db::Oracle
|   |
|   +---Pequel::Type::Db::Sqlite
|
+---Pequel::Type::Db
|
+---Pequel::Table
|
+---Pequel::Table::Data

+---Pequel::Code::Line::Element
|
+---Pequel::Type::Element
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|   +---Pequel::Type::Date::Part
|   |
|   +---Pequel::Type::Date::Element
|   |
|   +---Pequel::Type::Option::Element
|   |
|   |   +---Pequel::Type::Option::Version
|   |   |
|   |   +---Pequel::Type::Option::Usage
|   |   |
|   |   +---Pequel::Type::Option::SrcList
|   |   |
|   |   +---Pequel::Type::Option::ProgRef
|   |   |
|   |   +---Pequel::Type::Option::Pequeldoc
|   |   |
|   |   +---Pequel::Type::Option::ViewCode
|   |   |
|   |   +---Pequel::Type::Option::DumpCode
|   |   |
|   |   +---Pequel::Type::Option::NoVerbose
|   |   |
|   |   +---Pequel::Type::Option::Check
|   |   |
|   |   +---Pequel::Type::Option::TableInfo
|   |   |
|   |   +---Pequel::Type::Option::MacroInfo
|   |   |
|   |   +---Pequel::Type::Option::List
|   |
|   +---Pequel::Type::Aggregate::Element
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|   |   +---Pequel::Type::Aggregate::Sum
|   |   |
|   |   +---Pequel::Type::Aggregate::SumDistinct
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|   |   +---Pequel::Type::Aggregate::ValuesUniq
|   |   |
|   |   +---Pequel::Type::Aggregate::ValuesAll
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|   |   +---Pequel::Type::Aggregate::Count
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|   |   +---Pequel::Type::Aggregate::Minimum
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|   |   |   +---Pequel::Type::Aggregate::Min
|   |   |
|   |   +---Pequel::Type::Aggregate::Maximum
|   |   |
|   |   |   +---Pequel::Type::Aggregate::Max
|   |   |
|   |   +---Pequel::Type::Aggregate::Last
|   |   |
|   |   +---Pequel::Type::Aggregate::First
|   |   |
|   |   +---Pequel::Type::Aggregate::Flag
|   |   |
|   |   +---Pequel::Type::Aggregate::Distinct

```

```

|
| +---Pequel::Type::Aggregate::CountDistinct
+---Pequel::Type::Aggregate::AvgDistinct
|
+---Pequel::Type::Aggregate::Avg
|
| +---Pequel::Type::Aggregate::Mean
+---Pequel::Type::Aggregate::Median
+---Pequel::Type::Aggregate::Variance
+---Pequel::Type::Aggregate::Stddev
+---Pequel::Type::Aggregate::Range
+---Pequel::Type::Aggregate::Mode
+---Pequel::Type::Aggregate::Serial
+---Pequel::Type::Macro::Element
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+---Pequel::Type::Macro::Date
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+---Pequel::Type::Macro::MonthsSince
|
+---Pequel::Type::Macro::MonthsBetween
|
+---Pequel::Type::Macro::DateLastDay
+---Pequel::Type::Macro::LastDay
+---Pequel::Type::Macro::DateNextDay
+---Pequel::Type::Macro::DayNumber
+---Pequel::Type::Macro::AddDays
+---Pequel::Type::Macro::Y
+---Pequel::Type::Macro::D
+---Pequel::Type::Macro::M
+---Pequel::Type::Macro::Map
+---Pequel::Type::Macro::Today
+---Pequel::Type::Macro::MonthsSinceCache
+---Pequel::Type::Macro::ToArray
+---Pequel::Type::Macro::ArrSize
+---Pequel::Type::Macro::ArrSort
+---Pequel::Type::Macro::ArrReverse
+---Pequel::Type::Macro::ArrValuesUniq
+---Pequel::Type::Macro::ArrSum
+---Pequel::Type::Macro::ArrAvg
|
| +---Pequel::Type::Macro::ArrMean
+---Pequel::Type::Macro::ArrShift
+---Pequel::Type::Macro::ArrPop
+---Pequel::Type::Macro::ArrPush
+---Pequel::Type::Macro::ArrFirst
+---Pequel::Type::Macro::ArrLast
+---Pequel::Type::Macro::ArrMin
+---Pequel::Type::Macro::ArrMax
+---Pequel::Type::Macro::ArrLookup
+---Pequel::Type::Macro::Lookup

```

```

+---Pequel::Type::Macro::Period
|
+---Pequel::Type::Macro::Month
|
+---Pequel::Type::Macro::Length
|
+---Pequel::Type::Macro::Substr
|
+---Pequel::Type::Macro::Index
|
+---Pequel::Type::Macro::RightIndex
|
+---Pequel::Type::Macro::Lc
|
+---Pequel::Type::Macro::Uc
|
+---Pequel::Type::Macro::LcFirst
|
+---Pequel::Type::Macro::UcFirst
|
+---Pequel::Type::Macro::Commify
|
+---Pequel::Type::Macro::Env
|
+---Pequel::Type::Macro::Option
|
+---Pequel::Type::Macro::MatchAny
|
|   +---Pequel::Type::Macro::Match
|
+---Pequel::Type::Macro::Select
|
+---Pequel::Type::Macro::Generic
|
|   +---Pequel::Type::Macro::Ord
|
|   +---Pequel::Type::Macro::Sqrt
|
|   +---Pequel::Type::Macro::Rand
|
|   +---Pequel::Type::Macro::Sin
|
|   +---Pequel::Type::Macro::Exp
|
|   +---Pequel::Type::Macro::Cos
|
|   +---Pequel::Type::Macro::Log
|
|   +---Pequel::Type::Macro::Chr
|
|   +---Pequel::Type::Macro::Abs
|
|   +---Pequel::Type::Macro::Int
|
|   +---Pequel::Type::Macro::Atan2
|
+---Pequel::Type::Macro::Sign
|
+---Pequel::Type::Macro::Trunc
|
+---Pequel::Type::Macro::Trim
|
+---Pequel::Type::Macro::Spaceout
|
+---Pequel::Type::Macro::TrimTrailing
|
+---Pequel::Type::Macro::TrimLeading
|
+---Pequel::Type::Macro::ClipStr
|
+---Pequel::Type::Macro::LeftClipStr
|
+---Pequel::Type::Macro::RightClipStr
|
+---Pequel::Type::Macro::LeftPadStr
|
+---Pequel::Type::Macro::RightPadStr
|
+---Pequel::Type::Macro::RemoveSpaces
|
+---Pequel::Type::Macro::ToNumber
|
|   +---Pequel::Type::Macro::ExtractNumeric
|
|   +---Pequel::Type::Macro::RemoveNonNumeric

```



```

|
| +---Pequel::Type::Macro::RemoveNumeric
| +---Pequel::Type::Macro::RemoveSpecial
| +---Pequel::Type::Macro::Translate
| +---Pequel::Type::Macro::Initcap
| +---Pequel::Type::Macro::ExtractInit
| +---Pequel::Type::Macro::Soundex
| +---Pequel::Type::Macro::Banding
| +---Pequel::Type::UserMacro
|
+---Pequel::Type::Db::Element
|
| +---Pequel::Type::Db::Oracle::Element
| +---Pequel::Type::Db::Sqlite::Element
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+---Pequel::Type::Table::Element
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| +---Pequel::Type::Table::Local
| +---Pequel::Type::Table::External
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| | +---Pequel::Type::Table::External::Inline
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| | | +---Pequel::Type::Table::Oracle
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| | | | +---Pequel::Type::Table::Oracle::Merge
| | | +---Pequel::Type::Table::Sqlite
| | | |
| | | | +---Pequel::Type::Table::Sqlite::Merge
|
+---Pequel::Field::Element
|
| +---Pequel::Field::Input::Element
| +---Pequel::Field::Output::Element
| +---Pequel::Table::Refkey::Element
| +---Pequel::Table::Field::Element
|
+---Pequel::Docgen::Chapter::Element
|
| +---Pequel::Docgen::Chapter::Overview
| +---Pequel::Docgen::Chapter::Config
| +---Pequel::Docgen::Chapter::InputFields
| +---Pequel::Docgen::Chapter::Tables
| +---Pequel::Docgen::Chapter::TablesSummary
| +---Pequel::Docgen::Chapter::PequelScript
| +---Pequel::Docgen::Chapter::PequelGenerated
|
+---Pequel::Type::Section
|
| +---Pequel::Type::Section::Options
| +---Pequel::Type::Section::FieldProcess
| |
| | +---Pequel::Type::Section::FieldProcess::Pre
| | +---Pequel::Type::Section::FieldProcess::Post
|
+---Pequel::Type::Section::Description
|
+---Pequel::Type::Section::UsePackage
|
+---Pequel::Type::Section::Input
|
+---Pequel::Type::Section::SortBy
|
+---Pequel::Type::Section::DedupOn

```

```
| +---Pequel::Type::Section::GroupBy
| |
| +---Pequel::Type::Section::Filter
| |
| +---Pequel::Type::Section::Output
| |
| +---Pequel::Type::Section::Reject
| |
| +---Pequel::Type::Section::Having
| |
| +---Pequel::Type::Section::Summary
| |
| +---Pequel::Type::Section::InitMONTH
| |
| +---Pequel::Type::Section::InitPERIOD
| |
| +---Pequel::Type::Section::InitTable
| |
| +---Pequel::Type::Section::LoadTable
| | |
| | +---Pequel::Type::Section::LoadTable::Persistent
| | |
| | +---Pequel::Type::Section::LoadTable::Sqlite
| | | |
| | | +---Pequel::Type::Section::LoadTable::Sqlite::Merge
| | |
| | +---Pequel::Type::Section::LoadTable::Oracle
| | |
| | +---Pequel::Type::Section::LoadTable::Oracle::Merge
|
+---Pequel::Table::Data::Element
```

Pequel Packages

Base/Base.pm

Pequel::Base

Script/Script.pm

Pequel::Script

Main/Main.pm

Pequel::Main

Error/Error.pm

Pequel::Error

Parse/Parse.pm

Pequel::Parse::Compile

Pequel::Parse

Collection/Collection.pm

Pequel::Collection::Element

Pequel::Collection::Cursor

Pequel::Collection::Iterator

Pequel::Collection::Vector

Pequel::Collection::Hierarchy

Pequel::Collection::Vector::Stack

Code/Code.pm

Pequel::Code::Line::Element

Pequel::Code::Generic

Pequel::Code::C

Pequel::Code::Perl

Pequel::Code::Pod

Pequel::Code

Type/Type.pm

Pequel::Type::Element

Pequel::Type::Data

Type/Date/Date.pm

Pequel::Type::Date::Part

Pequel::Type::Date::Element

Pequel::Type::Date

Pequel::Type::Month

Type/Option/Option.pm

Pequel::Type::Option::Element

Pequel::Type::Option::Version

Pequel::Type::Option::Usage

Pequel::Type::Option::SrcList

Pequel::Type::Option::ProgRef

Pequel::Type::Option::Pequeldoc

```

Pequel::Type::Option::ViewCode
Pequel::Type::Option::DumpCode
Pequel::Type::Option::NoVerbose
Pequel::Type::Option::Check
Pequel::Type::Option::TableInfo
Pequel::Type::Option::MacroInfo
Pequel::Type::Option::List
Pequel::Type::Option::Group::Docgen
Pequel::Type::Option::Group::Table
Pequel::Type::Option::Group::Oracle
Pequel::Type::Option::Group::Sqlite
Pequel::Type::Option::Group::Inline
Pequel::Type::Option::Group::Developer
Pequel::Type::Option::Group::Basic
Pequel::Type::Option::Group::CommandLineOnly
Pequel::Type::Option

```

Type/Section/Section.pm

```

Pequel::Type::Section
Pequel::Type::Section::Options
Pequel::Type::Section::FieldProcess
Pequel::Type::Section::FieldProcess::Pre
Pequel::Type::Section::FieldProcess::Post
Pequel::Type::Section::Description
Pequel::Type::Section::UsePackage
Pequel::Type::Section::Input
Pequel::Type::Section::SortBy
Pequel::Type::Section::DedupOn
Pequel::Type::Section::GroupBy
Pequel::Type::Section::Filter
Pequel::Type::Section::Output
Pequel::Type::Section::Reject
Pequel::Type::Section::Having
Pequel::Type::Section::Summary
Pequel::Type::Section::InitMONTH
Pequel::Type::Section::InitPERIOD
Pequel::Type::Section::InitTable
Pequel::Type::Section::LoadTable
Pequel::Type::Section::LoadTable::Persistent
Pequel::Type::Section::LoadTable::Sqlite
Pequel::Type::Section::LoadTable::Sqlite::Merge
Pequel::Type::Section::LoadTable::Oracle
Pequel::Type::Section::LoadTable::Oracle::Merge
Pequel::Type::Sections

```

Type/Aggregate/Aggregate.pm

```

Pequel::Type::Aggregate::Element
Pequel::Type::Aggregate::equals
Pequel::Type::Aggregate::Sum
Pequel::Type::Aggregate::SumDistinct
Pequel::Type::Aggregate::ValuesUniq
Pequel::Type::Aggregate::ValuesAll
Pequel::Type::Aggregate::Count
Pequel::Type::Aggregate::Minimum
Pequel::Type::Aggregate::Min
Pequel::Type::Aggregate::Maximum
Pequel::Type::Aggregate::Max
Pequel::Type::Aggregate::Last

```

Pequel::Type::Aggregate::First
Pequel::Type::Aggregate::Flag
Pequel::Type::Aggregate::Distinct
Pequel::Type::Aggregate::CountDistinct
Pequel::Type::Aggregate::AvgDistinct
Pequel::Type::Aggregate::Avg
Pequel::Type::Aggregate::Mean
Pequel::Type::Aggregate::Median
Pequel::Type::Aggregate::Variance
Pequel::Type::Aggregate::Stddev
Pequel::Type::Aggregate::Range
Pequel::Type::Aggregate::Mode
Pequel::Type::Aggregate::Serial
Pequel::Type::Aggregate

Type/Macro/Macro.pm

Pequel::Type::Macro::Element
Pequel::Type::Macro::Date
Pequel::Type::Macro::MonthsSince
Pequel::Type::Macro::MonthsBetween
Pequel::Type::Macro::DateLastDay
Pequel::Type::Macro::LastDay
Pequel::Type::Macro::DateNextDay
Pequel::Type::Macro::DayNumber
Pequel::Type::Macro::AddDays
Pequel::Type::Macro::Y
Pequel::Type::Macro::D
Pequel::Type::Macro::M
Pequel::Type::Macro::Map
Pequel::Type::Macro::Today
Pequel::Type::Macro::MonthsSinceCache
Pequel::Type::Macro::ToArray
Pequel::Type::Macro::ArrSize
Pequel::Type::Macro::ArrSort
Pequel::Type::Macro::ArrReverse
Pequel::Type::Macro::ArrValuesUniq
Pequel::Type::Macro::ArrSum
Pequel::Type::Macro::ArrAvg
Pequel::Type::Macro::ArrMean
Pequel::Type::Macro::ArrShift
Pequel::Type::Macro::ArrPop
Pequel::Type::Macro::ArrPush
Pequel::Type::Macro::ArrFirst
Pequel::Type::Macro::ArrLast
Pequel::Type::Macro::ArrMin
Pequel::Type::Macro::ArrMax
Pequel::Type::Macro::ArrLookup
Pequel::Type::Macro::Lookup
Pequel::Type::Macro::Period
Pequel::Type::Macro::Month
Pequel::Type::Macro::Length
Pequel::Type::Macro::Substr
Pequel::Type::Macro::Index
Pequel::Type::Macro::RightIndex
Pequel::Type::Macro::Lc
Pequel::Type::Macro::Uc
Pequel::Type::Macro::LcFirst
Pequel::Type::Macro::UcFirst
Pequel::Type::Macro::Commify

Pequel::Type::Macro::Env
 Pequel::Type::Macro::Option
 Pequel::Type::Macro::MatchAny
 Pequel::Type::Macro::Match
 Pequel::Type::Macro::Select
 Pequel::Type::Macro::Generic
 Pequel::Type::Macro::Ord
 Pequel::Type::Macro::Sqrt
 Pequel::Type::Macro::Rand
 Pequel::Type::Macro::Sin
 Pequel::Type::Macro::Exp
 Pequel::Type::Macro::Cos
 Pequel::Type::Macro::Log
 Pequel::Type::Macro::Chr
 Pequel::Type::Macro::Abs
 Pequel::Type::Macro::Int
 Pequel::Type::Macro::Atan2
 Pequel::Type::Macro::Sign
 Pequel::Type::Macro::Trunc
 Pequel::Type::Macro::Trim
 Pequel::Type::Macro::Spaceout
 Pequel::Type::Macro::TrimTrailing
 Pequel::Type::Macro::TrimLeading
 Pequel::Type::Macro::ClipStr
 Pequel::Type::Macro::LeftClipStr
 Pequel::Type::Macro::RightClipStr
 Pequel::Type::Macro::LeftPadStr
 Pequel::Type::Macro::RightPadStr
 Pequel::Type::Macro::RemoveSpaces
 Pequel::Type::Macro::ToNumber
 Pequel::Type::Macro::ExtractNumeric
 Pequel::Type::Macro::RemoveNonNumeric
 Pequel::Type::Macro::RemoveNumeric
 Pequel::Type::Macro::RemoveSpecial
 Pequel::Type::Macro::Translate
 Pequel::Type::Macro::Initcap
 Pequel::Type::Macro::ExtractInit
 Pequel::Type::Macro::Soundex
 Pequel::Type::Macro::Banding
 Pequel::Type::UserMacro
 Pequel::Type::Macro::Group::Basic
 Pequel::Type::Macro::Group::Date
 Pequel::Type::Macro::Group::String
 Pequel::Type::Macro::Group::Array
 Pequel::Type::Macro::Group::Arithmetic
 Pequel::Type::Macro::Group::Other
 Pequel::Type::Macro

Type/Db/Db.pm

Pequel::Type::Db::Element
 Pequel::Type::Db::Vector
 Pequel::Type::Db

Type/Db/Oracle/Oracle.pm

Pequel::Type::Db::Oracle::Element
 Pequel::Type::Db::Oracle

Type/Db/Sqlite/Sqlite.pm

Pequel::Type::Db::Sqlite::Element
Pequel::Type::Db::Sqlite

Type/Table/Table.pm

Pequel::Type::Table::Element
Pequel::Type::Table::Local
Pequel::Type::Table::External
Pequel::Type::Table::External::Inline

Type/Table/Oracle/Oracle.pm

Pequel::Type::Table::Oracle
Pequel::Type::Table::Oracle::Merge

Type/Table/Sqlite/Sqlite.pm

Pequel::Type::Table::Sqlite
Pequel::Type::Table::Sqlite::Merge

Field/Field.pm

Pequel::Field::Element
Pequel::Field::Input::Element
Pequel::Field::Output::Element

Table/Table.pm

Pequel::Table
Pequel::Table::Refkey::Element
Pequel::Table::Field::Element
Pequel::Table::Data::Element
Pequel::Table::Data

Docgen/Docgen.pm

Pequel::Docgen
Pequel::Docgen::Chapter::Element
Pequel::Docgen::Chapter::Overview
Pequel::Docgen::Chapter::Config
Pequel::Docgen::Chapter::InputFields
Pequel::Docgen::Chapter::Tables
Pequel::Docgen::Chapter::TablesSummary
Pequel::Docgen::Chapter::PequelScript
Pequel::Docgen::Chapter::PequelGenerated

Lister/Lister.pm

Pequel::Lister
Pequel::Lister::SrcList
Pequel::Lister::ProgRef

Engine/Engine.pm

Pequel::Engine

Engine/Inline/Inline.pm

Pequel::Engine::Inline

Pequel Types

Data Type

- type.string
- type.numeric
- type.decimal
- type.date
- type.time
- type.array

Date Type

- date.DD/MM/YYYY
- date.DD/MM/YY
- date.DDMMYY
- date.DDMMYYYY
- date.DDMMYY
- date.YYYYMMDD
- date.YYMMDD
- date.MM/DD/YYYY
- date.MM/DD/YY
- date.MMDDYY
- date.MMDDYYYY
- date.YYYY-MM-DD
- date.YY-MM-DD

Month Type

- month.JAN
- month.FEB
- month.MAR
- month.APR
- month.MAY
- month.JUN
- month.JUL
- month.AUG
- month.SEP
- month.OCT
- month.NOV
- month.DEC

Option Type

- option.verbose
- option.noverbose
- option.input_delimiter
- option.output_delimiter
- option.input_file
- option.output_file
- option.script_name
- option.discard_header
- option.header
- option.noheader
- option.addpipe
- option.noaddpipe
- option.optimize
- option.nooptimize

option.nulls
option.nonulls
option.reject_file
option.default_datatype
option.default_list_delimiter
option.hash
option.transfer
option.suppress_output
option.num_threads
option.sort_tmp_dir
option.logfilename
option.logging
option.display_table_stats
option.reload_tables
option.load_tables_only
option.table_drop_unused_fields
option.table_dir
option.oracle_prefetch_count
option.oracle_home
option.oracle_sqlldr_rows
option.oracle_use_merge_fetch_macro
option.sqlite_dir
option.sqlite_merge_optimize
option.sqlite_merge_optimize_count
option.use_inline
option.inline_clean_after_build
option.inline_clean_build_area
option.inline_build_noisy
option.inline_build_timers
option.inline_force_build
option.inline_print_info
option.inline_directory
option.inline_cache_recs
option.use_av_store_macro
option.inline_merge_optimize
option.inline_merge_optimize_count
option.doc_title
option.doc_version
option.doc_email
option.dumpcode
option.debug_show_caller
option.debug
option.debug_generate
option.debug_parser
option.diagnostics
option.tinfo
option.minfo
option.pequelsrclist
option.pequelprogref
option.version
option.usage
option.viewcode
option.syntax_check
option.list
option.pequeldoc
option.detail

Macro Type

macro.select

macro.lookup
macro.map
macro.match_any
macro.match
macro.env
macro.option
macro.banding
macro.date
macro.period
macro.month
macro.months_since
macro.today
macro.months_between
macro.d
macro.m
macro.y
macro.day_number
macro.date_last_day
macro.last_day
macro.date_next_day
macro.length
macro.substr
macro.index
macro.rindex
macro.lc
macro.uc
macro.lc_first
macro.uc_first
macro.commify
macro.trim
macro.trim_leading
macro.trim_trailing
macro.clip_str
macro.left_clip_str
macro.right_clip_str
macro.left_pad_str
macro.right_pad_str
macro.translate
macro.initcap
macro.extract_init
macro.soundex
macro.spaceout
macro.to_number
macro.extract_numeric
macro.remove_non_numeric
macro.remove_special
macro.remove_numeric
macro.remove_spaces
macro.to_array
macro.arr_size
macro.arr_sort
macro.arr_reverse
macro.arr_shift
macro.arr_pop
macro.arr_first
macro.arr_first
macro.arr_min
macro.arr_max
macro.arr_avg

macro.mean
macro.arr_sum
macro.arr_lookup
macro.arr_values_uniq
macro.sqrt
macro.rand
macro.ord
macro.log
macro.sin
macro.exp
macro.cos
macro.chr
macro.abs
macro.int
macro.atan2
macro.sign
macro.trunc

Section Type

section.options
section.description section
section.use package
section.init _MONTH
section.init _PERIOD
section.init table
section.load table sqlite merge
section.load table sqlite
section.load table oracle merge
section.load table oracle
section.load table
section.input section
section.field preprocess
section.sort by
section.group by
section.dedup on
section.filter
section.output section
section.field postprocess
section.reject
section.having
section.summary section

Aggregate Type

aggregate.count
aggregate.count_distinct
aggregate.min
aggregate.max
aggregate.minimum
aggregate.maximum
aggregate.sum
aggregate.sum_distinct
aggregate.first
aggregate.last
aggregate.flag
aggregate.distinct
aggregate.avg
aggregate.avg_distinct
aggregate.=

aggregate.serial
aggregate.values_all
aggregate.values_uniq
aggregate.mean
aggregate.median
aggregate.variance
aggregate.stddev
aggregate.range
aggregate.mode

Db Type

db.oracle
db.sqlite

Pequel Class Reference

Pequel::Base

— *Base Class* —

Package *Base/Base.pm*

Class Attributes

error

parser

tables

t_data

t_date

t_month

t_option

t_section

t_macro

t_aggregate

t_db

Class Methods

AUTOLOAD

new

version

programName

root

c_numOutputFields

c_numInputFields

Pequel::Script

Extends *Pequel::Base*

Package *Script/Script.pm*

Class Attributes

scriptOrig

scriptCppProcessed

Class Methods

new

read

preProcess

prepare

parse

compile

check

Pequel::Main

Extends *Pequel::Script*
Package *Main/Main.pm*

Class Methods

new
main
parseCmdLine
initRc

Pequel::Error

— *Base Class* —

Package *Error/Error.pm*

Class Methods

new

warning

fatalError

error

msgStderr

msgStderrNonl

Pequel::Parse::Compile*— Base Class —*Package *Parse/Parse.pm***Class Methods**

new
root
compile
compileInputFields
compileOutput
extractNextMacro
compileMacro
extractNextTable
compileTable
XextractNextTable
XcompileTable
compileArray
compileToArray

Pequel::ParseExtends *Pequel::Parse::Compile*Package *Parse/Parse.pm***Class Methods**

new
splitEntries
saveAnd
restoreAnd
saveAmp
restoreAmp
saveQuotes
restoreQuotes
saveCommas
restoreCommas
saveQuotedCommas
restoreQuotedCommas
saveQuotedPc
restoreQuotedPc
saveEscPc
restoreEscPc
saveSpaces
restoreSpaces
saveAt
restoreAt
leftClip
rightClip

Pequel::Collection::Element

— Base Class —

Package *Collection/Collection.pm*

Class Attributes

name

number

value

uniq

comment

setIndex

Class Methods

new

index

compile

root

check_equals

equals

set

toString

Pequel::Collection::Cursor

Extends *Pequel::Collection::Element*

Package *Collection/Collection.pm*

Class Attributes

index

Class Methods

new

dec

inc

reset

Pequel::Collection::Iterator

Extends *Pequel::Collection::Cursor*

Package *Collection/Collection.pm*

Class Methods

new

current

next

prev

last

first

Pequel::Collection::VectorExtends *Pequel::Collection::Iterator*Package *Collection/Collection.pm***Class Attributes***_vector**expandAll***Class Methods***new**add**addAll**exists**search**toArray**size**clear**clone**equals**elementAt**root**extract**get**regEx**setAll**set**put**lastIndex**elements**addElement**toString**toArraySort**toArrayUniq**toArrayName**toArrayNumber**toArrayValue***Pequel::Collection::Hierarchy**Extends *Pequel::Collection::Vector*Package *Collection/Collection.pm***Class Methods***new**branches**branch**tree***Pequel::Collection::Vector::Stack**Extends *Pequel::Collection::Vector*Package *Collection/Collection.pm*

Class Methods*new**push**pushAll**pop**shift**unshift**unshiftAll*

Pequel::Code::Line::Element

Extends *Pequel::Collection::Element*
Package *Code/Code.pm*

Class Attributes

noNewline

Class Methods

new

Pequel::Code::Generic

Extends *Pequel::Collection::Vector::Stack*
Package *Code/Code.pm*

Class Attributes

blockType
currentTab
tabs
showComments
floatComments
tabSize
text
raw

Class Methods

new
add
_add
addNonl
addAll
nl
over
back
open
openBlock
close
closeBlock
endList
prepare
appendText
sprint
sprintRaw
print
printToFile
printStderr
showCode
podToPdf
leftIndentBlock

rightIndentBlock
codeOpenLog
codeWriteLog
verboseMessage
verboseCCMessage
append
addCommentBegin
addCommentEnd
addComment
addBar
addFmt

Pequel::Code::C

Extends *Pequel::Code::Generic*
Package *Code/Code.pm*

Class Methods

new
addCommentBegin
addCommentEnd
addComment
addBar

Pequel::Code::Perl

Extends *Pequel::Code::Generic*
Package *Code/Code.pm*

Class Methods

new
addCommentBegin
addCommentEnd
addComment
addBar

Pequel::Code::Pod

Extends *Pequel::Code::Generic*
Package *Code/Code.pm*

Class Attributes

insideBegin
pdfName
podName
docTitle
docVersion
docType
docEmail

Class Methods

new
pod

add
head1
head2
item
itemBold
itemBoldItalic
begin
end
page
over
back
setBold
setItalic
setHighlight
setLink
podToPdf

Pequel::Code

Extends *Pequel::Code::Generic*
Package *Code/Code.pm*

Class Methods

new

Pequel::Type::ElementExtends *Pequel::Collection::Element*Package *Type/Type.pm***Class Attributes***useList**sourceSectionName**sourceFieldName**timeStamp***Class Methods***new***Pequel::Type::Data**Extends *Pequel::Collection::Vector*Package *Type/Type.pm***Class Methods***new*

Pequel::Type::Date::Part

Extends *Pequel::Type::Element*
Package *Type/Date/Date.pm*

Class Attributes

pos
len

Class Methods

new

Pequel::Type::Date::Element

Extends *Pequel::Type::Element*
Package *Type/Date/Date.pm*

Class Attributes

d
m
y
regEx
fmt
delimiter

Class Methods

new
codeCmpDate
codeToCCYYMMDD
codeFmtDate
dmyOrder

Pequel::Type::Date

Extends *Pequel::Collection::Vector*
Package *Type/Date/Date.pm*

Class Methods

new
addUserType

Pequel::Type::Month

Extends *Pequel::Collection::Vector*
Package *Type/Date/Date.pm*

Class Methods

new

Pequel::Type::Option::Element

Extends *Pequel::Type::Element*
Package *Type/Option/Option.pm*

Class Attributes

cmdAlias
cmdFormat
format
allow
usage
description
required

Class Methods

new

Pequel::Type::Option::Version

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::Usage

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::SrcList

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::ProgRef

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::Pequeldoc

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::ViewCode

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::DumpCode

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::NoVerbose

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::Check

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::TableInfo

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::MacroInfo

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::List

Extends *Pequel::Type::Option::Element*
Package *Type/Option/Option.pm*

Class Methods

new
cmdExec

Pequel::Type::Option::Group::Docgen

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::Table

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::Oracle

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::Sqlite

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::Inline

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::Developer

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::Basic

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option::Group::CommandLineOnly

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

Pequel::Type::Option

Extends *Pequel::Collection::Hierarchy*
Package *Type/Option/Option.pm*

Class Methods

new

getAlias

Pequel::Type::Section

Extends *Pequel::Collection::Element*
Package *Type/Section/Section.pm*

Class Attributes

lines
items
present
required

Class Methods

new
codeInit
codeReset
codeBreakBefore
codeBreakAfter
codeMainBefore
codeMainAfter
parseAll
parse
compile
regEx

Pequel::Type::Section::Options

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::FieldProcess

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::FieldProcess::Pre

Extends *Pequel::Type::Section::FieldProcess*
Package *Type/Section/Section.pm*

Class Methods

new
codeBreakBefore
parse

Pequel::Type::Section::FieldProcess::PostExtends *Pequel::Type::Section::FieldProcess*Package *Type/Section/Section.pm***Class Methods***new**codeMainAfter**parse***Pequel::Type::Section::Description**Extends *Pequel::Type::Section*Package *Type/Section/Section.pm***Class Methods***new***Pequel::Type::Section::UsePackage**Extends *Pequel::Type::Section*Package *Type/Section/Section.pm***Class Methods***new**codeInit***Pequel::Type::Section::Input**Extends *Pequel::Type::Section*Package *Type/Section/Section.pm***Class Methods***new**parse***Pequel::Type::Section::SortBy**Extends *Pequel::Type::Section*Package *Type/Section/Section.pm***Class Methods***new**parse***Pequel::Type::Section::DedupOn**Extends *Pequel::Type::Section*Package *Type/Section/Section.pm***Class Methods***new**codeInit**codeBreakAfter**parse*

Pequel::Type::Section::GroupBy

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
codeInit
parse

Pequel::Type::Section::Filter

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
codeBreakBefore

Pequel::Type::Section::Output

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
codeInit
parse

Pequel::Type::Section::Reject

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
codeInit
codeBreakBefore
parse

Pequel::Type::Section::Having

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::Summary

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new

Pequel::Type::Section::InitMONTH

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::InitPERIOD

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::InitTable

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::LoadTable

Extends *Pequel::Type::Section*
Package *Type/Section/Section.pm*

Class Methods

new
persistent
merge
parse

Pequel::Type::Section::LoadTable::Persistent

Extends *Pequel::Type::Section::LoadTable*
Package *Type/Section/Section.pm*

Class Methods

new

Pequel::Type::Section::LoadTable::Sqlite

Extends *Pequel::Type::Section::LoadTable*
Package *Type/Section/Section.pm*

Class Methods

new
parse

Pequel::Type::Section::LoadTable::Sqlite::Merge

Extends *Pequel::Type::Section::LoadTable::Sqlite*
Package *Type/Section/Section.pm*

Class Methods

new

Pequel::Type::Section::LoadTable::Oracle

Extends *Pequel::Type::Section::LoadTable*
Package *Type/Section/Section.pm*

Class Methods

new

parse

Pequel::Type::Section::LoadTable::Oracle::Merge

Extends *Pequel::Type::Section::LoadTable::Oracle*
Package *Type/Section/Section.pm*

Class Methods

new

Pequel::Type::Sections

Extends *Pequel::Collection::Vector*
Package *Type/Section/Section.pm*

Class Methods

new

Pequel::Type::Aggregate::ElementExtends *Pequel::Type::Element*Package *Type/Aggregate/Aggregate.pm***Class Attributes***rightOp**level**allowType***Class Methods***new**codeInit**codeReset**codeOutputFinal**codeOutput**hash***Pequel::Type::Aggregate::equals**Extends *Pequel::Type::Aggregate::Element*Package *Type/Aggregate/Aggregate.pm***Class Methods***new**codeOutputFinal***Pequel::Type::Aggregate::Sum**Extends *Pequel::Type::Aggregate::Element*Package *Type/Aggregate/Aggregate.pm***Class Methods***new**codeOutput***Pequel::Type::Aggregate::SumDistinct**Extends *Pequel::Type::Aggregate::Element*Package *Type/Aggregate/Aggregate.pm***Class Methods***new**codeInit**codeReset**codeOutput***Pequel::Type::Aggregate::ValuesUniq**Extends *Pequel::Type::Aggregate::Element*Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::ValuesAll

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Count

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeOutput

Pequel::Type::Aggregate::Minimum

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeOutput

Pequel::Type::Aggregate::Min

Extends *Pequel::Type::Aggregate::Minimum*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

Pequel::Type::Aggregate::Maximum

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeOutput

Pequel::Type::Aggregate::Max

Extends *Pequel::Type::Aggregate::Maximum*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

Pequel::Type::Aggregate::Last

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

codeOutput

Pequel::Type::Aggregate::First

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

codeOutput

Pequel::Type::Aggregate::Flag

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

codeOutput

Pequel::Type::Aggregate::Distinct

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

codeInit

codeReset

codeOutput

Pequel::Type::Aggregate::CountDistinct

Extends *Pequel::Type::Aggregate::Distinct*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

Pequel::Type::Aggregate::AvgDistinct

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Avg

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Mean

Extends *Pequel::Type::Aggregate::Avg*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

Pequel::Type::Aggregate::Median

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Variance

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Stddev

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Range

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Mode

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeReset
codeOutputFinal
codeOutput

Pequel::Type::Aggregate::Serial

Extends *Pequel::Type::Aggregate::Element*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new
codeInit
codeOutputFinal
codeOutput

Pequel::Type::Aggregate

Extends *Pequel::Collection::Vector*
Package *Type/Aggregate/Aggregate.pm*

Class Methods

new

Pequel::Type::Macro::Element

Extends *Pequel::Type::Element*
Package *Type/Macro/Macro.pm*

Class Attributes

usageFmt
eval
external
args

Class Methods

new
codeInit
inWords

Pequel::Type::Macro::Date

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::MonthsSince

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
codeInit
compile

Pequel::Type::Macro::MonthsBetween

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::DateLastDay

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::LastDay

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::DateNextDay

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::DayNumber

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::AddDays

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::Y

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::D

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::M

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::Map

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::Today

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
codeInit
compile

Pequel::Type::Macro::MonthsSinceCache

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
codeInit
compile

Pequel::Type::Macro::ToArray

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrSize

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrSort

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrReverse

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrValuesUniq

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrSum

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrAvg

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrMean

Extends *Pequel::Type::Macro::ArrAvg*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::ArrShift

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
codeInit
compile

Pequel::Type::Macro::ArrPop

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
codeInit
compile

Pequel::Type::Macro::ArrPush

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrFirst

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrLast

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrMin

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ArrMax

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods*new**compile***Pequel::Type::Macro::ArrLookup**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Lookup**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Period**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Month**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Length**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Substr**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new*

compile

Pequel::Type::Macro::Index

Extends *Pequel::Type::Macro::Element*

Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::RightIndex

Extends *Pequel::Type::Macro::Element*

Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::Lc

Extends *Pequel::Type::Macro::Element*

Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::Uc

Extends *Pequel::Type::Macro::Element*

Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::LcFirst

Extends *Pequel::Type::Macro::Element*

Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::UcFirst

Extends *Pequel::Type::Macro::Element*

Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::CommifyExtends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Env**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Option**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::MatchAny**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Match**Extends *Pequel::Type::Macro::MatchAny*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Select**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile**format**inWords*

Pequel::Type::Macro::GenericExtends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Ord**Extends *Pequel::Type::Macro::Generic*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Sqrt**Extends *Pequel::Type::Macro::Generic*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Rand**Extends *Pequel::Type::Macro::Generic*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Sin**Extends *Pequel::Type::Macro::Generic*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Exp**Extends *Pequel::Type::Macro::Generic*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Cos**Extends *Pequel::Type::Macro::Generic*Package *Type/Macro/Macro.pm***Class Methods***new*

Pequel::Type::Macro::Log

Extends *Pequel::Type::Macro::Generic*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::Chr

Extends *Pequel::Type::Macro::Generic*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::Abs

Extends *Pequel::Type::Macro::Generic*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::Int

Extends *Pequel::Type::Macro::Generic*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::Atan2

Extends *Pequel::Type::Macro::Generic*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::Sign

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::Trunc

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new

compile

Pequel::Type::Macro::Trim

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::Spaceout

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::TrimTrailing

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::TrimLeading

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ClipStr

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::LeftClipStr

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::RightClipStr

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::LeftPadStr

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::RightPadStr

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::RemoveSpaces

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ToNumber

Extends *Pequel::Type::Macro::Element*
Package *Type/Macro/Macro.pm*

Class Methods

new
compile

Pequel::Type::Macro::ExtractNumeric

Extends *Pequel::Type::Macro::ToNumber*
Package *Type/Macro/Macro.pm*

Class Methods

new

Pequel::Type::Macro::RemoveNonNumeric

Extends *Pequel::Type::Macro::ToNumber*
Package *Type/Macro/Macro.pm*

Class Methods*new***Pequel::Type::Macro::RemoveNumeric**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::RemoveSpecial**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Translate**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Initcap**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::ExtractInit**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Soundex**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile*

Pequel::Type::Macro::BandingExtends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::UserMacro**Extends *Pequel::Type::Macro::Element*Package *Type/Macro/Macro.pm***Class Methods***new**compile***Pequel::Type::Macro::Group::Basic**Extends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Group::Date**Extends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Group::String**Extends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Group::Array**Extends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro::Group::Arithmetic**Extends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new*

Pequel::Type::Macro::Group::OtherExtends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new***Pequel::Type::Macro**Extends *Pequel::Collection::Hierarchy*Package *Type/Macro/Macro.pm***Class Methods***new**codeInit*

Pequel::Type::Db::Element

Extends *Pequel::Type::Element*
Package *Type/Db/Db.pm*

Class Attributes

dataSourceFilename
username
password

Class Methods

new
codeInlineClose
codeInlineInit
codeInlineOpen
codeInlinePragma
codeInlinePrep
codeInlineReset
codeInlineDecl
codeInlineValueDecl

Pequel::Type::Db::Vector

Extends *Pequel::Collection::Vector*
Package *Type/Db/Db.pm*

Class Methods

new
cacheRecs
codeConnect
codeInlineClose
codeInlineInit
codeInlineOpen
codeInlinePragma
codeInlinePrep
codeInlineReset
codeInlineDecl
codeInlineValueDecl
codeInlineConfigFlags
codeInlineConfigLibs
codeInlineConfigIncludes
codeInlineIncludes
codeInlineFunctions
codeDisconnect

Pequel::Type::Db

Extends *Pequel::Collection::Vector*
Package *Type/Db/Db.pm*

Class Attributes*tableList***Class Methods***new**codeConnect**codeDisconnect**codeInlineConfigLibs**codeInlineConfigIncludes**codeInlineConfigFlags**codeInlineConfigOptimize**codeInlineClose**codeInlineInit**codeInlineOpen**codeInlinePragma**codeInlinePrep**codeInlineReset**codeInlineDecl**codeInlineValueDecl**codeInlineIncludes**codeInlineFunctions**codeInlineFieldNamesDecl**maxHeaderLen**maxTableHeaderLen*

Pequel::Type::Db::Oracle::ElementExtends *Pequel::Type::Db::Element*Package *Type/Db/Oracle/Oracle.pm***Class Methods***new**codeInlineInit**codeInlineOpen**codeInlineClose**codeInlinePragma**codeInlinePrep**codeInlineReset**codeInlineDecl**codeInlineValueDecl***Pequel::Type::Db::Oracle**Extends *Pequel::Type::Db::Vector*Package *Type/Db/Oracle/Oracle.pm***Class Methods***new**codeConnect**codeDisconnect**codeInlineInit**codeInlineOpen**codeInlineClose**codeInlinePragma**codeInlinePrep**codeInlineReset**codeInlineDecl**codeInlineValueDecl**codeInlineConfigOptimize**codeInlineConfigFlags**codeInlineConfigLibs**codeInlineConfigIncludes**codeInlineIncludes**codeInlineFunctions*

Pequel::Type::Db::Sqlite::ElementExtends *Pequel::Type::Db::Element*Package *Type/Db/Sqlite/Sqlite.pm***Class Methods***new**codeInlineClose**codeInlineInit**codeInlineOpen**codeInlinePragma**codeInlinePrep**codeInlineReset**codeInlineDecl**codeInlineValueDecl***Pequel::Type::Db::Sqlite**Extends *Pequel::Type::Db::Vector*Package *Type/Db/Sqlite/Sqlite.pm***Class Methods***new**codeConnect**codeDisconnect**codeInlineClose**codeInlineDecl**codeInlineInit**codeInlineOpen**codeInlinePragma**codeInlinePrep**codeInlineReset**codeInlineValueDecl**codeInlineConfigOptimize**codeInlineConfigFlags**codeInlineConfigLibs**codeInlineConfigIncludes**codeInlineIncludes**codeInlineFunctions*

Pequel::Type::Table::Element

Extends *Pequel::Type::Element*
Package *Type/Table/Table.pm*

Class Attributes

dataSourceFilename
keyColumn
keyType
engine
persistent
merge
type
loadAtRuntime
refKeyList
refKeyExpList
sequence
fields
data

Class Methods

new
compile
codeVar
Xcompile
setSequence
codeConnect
codeInit
codePrepare
codeFetchRow
codeClose
codeLoadTable
docOverview
docPequelScript

Pequel::Type::Table::Local

Extends *Pequel::Type::Table::Element*
Package *Type/Table/Table.pm*

Class Methods

new
codeInit
codeLoadTable
codeVar

Pequel::Type::Table::External

Extends *Pequel::Type::Table::Element*
Package *Type/Table/Table.pm*

Class Attributes*dbFileType***Class Methods***new**dbFilename**codeInit**codeConnect**codePrepare**codeFetchRow**codeClose**codeLoadTable**codeVar**dataSourceFieldNameList**dataSourceFieldColumnList**selectList***Pequel::Type::Table::External::Inline**Extends *Pequel::Type::Table::External*Package *Type/Table/Table.pm***Class Attributes***db**keyFieldName***Class Methods***new**cacheRecs**codeInit**codeVar**codeClose**codeFetchRow**codePrepare*

Pequel::Type::Table::Oracle

Extends *Pequel::Type::Table::External::Inline*
Package *Type/Table/Oracle/Oracle.pm*

Class Methods

new
codeLoadTable
codeInlineClose
codeInlineInit
codeInlineOpen
codeInlinePragma
codeInlinePrep
codeInlineDefine
codeInlineReset
codeInlineDecl
codeInlineValueDecl

Pequel::Type::Table::Oracle::Merge

Extends *Pequel::Type::Table::Oracle*
Package *Type/Table/Oracle/Oracle.pm*

Class Methods

new

Pequel::Type::Table::Sqlite

Extends *Pequel::Type::Table::External::Inline*
Package *Type/Table/Sqlite/Sqlite.pm*

Class Methods

new
codeLoadTable
codeInlineClose
codeInlineInit
codeInlineOpen
codeInlinePragma
codeInlinePrep
codeInlineReset
codeInlineDecl
codeInlineValueDecl

Pequel::Type::Table::Sqlite::Merge

Extends *Pequel::Type::Table::Sqlite*
Package *Type/Table/Sqlite/Sqlite.pm*

Class Methods

new

Pequel::Field::Element

Extends *Pequel::Type::Element*
Package *Field/Field.pm*

Class Attributes

type
dateType
calc
calcOrig
operator
direction
inputField
outputField
id
codeVar
ref

Class Methods

new
compile

Pequel::Field::Input::Element

Extends *Pequel::Field::Element*
Package *Field/Field.pm*

Class Attributes

refTableList

Class Methods

new

Pequel::Field::Output::Element

Extends *Pequel::Field::Element*
Package *Field/Field.pm*

Class Attributes

clause
listDelimiter
aggregate
inputField
condition
serialStart
calculated
CFlds

Class Methods

new
compile

Pequel::Table

Extends *Pequel::Collection::Vector*
Package *Table/Table.pm*

Class Attributes

lastSequence

Class Methods

new
setTableSequence

Pequel::Table::Refkey::Element

Extends *Pequel::Field::Element*
Package *Table/Table.pm*

Class Attributes

tableField
table
referenceFieldList
startFieldNumber

Class Methods

new

Pequel::Table::Field::Element

Extends *Pequel::Field::Element*
Package *Table/Table.pm*

Class Attributes

column

Class Methods

new

Pequel::Table::Data::Element

Extends *Pequel::Collection::Element*
Package *Table/Table.pm*

Class Methods

new

Pequel::Table::Data

Extends *Pequel::Collection::Vector*
Package *Table/Table.pm*

Class Methods

new

Pequel::Docgen

Extends *Pequel::Code*
Package *Docgen/Docgen.pm*

Class Methods

new
docType
generate
genFull
genBrief
sections
displayPod
podToPdf
has_page_tag
paper

Pequel::Docgen::Chapter::Element

Extends *Pequel::Type::Element*
Package *Docgen/Docgen.pm*

Class Methods

new
generate
heading
formatSwitch
formatIf

Pequel::Docgen::Chapter::Overview

Extends *Pequel::Docgen::Chapter::Element*
Package *Docgen/Docgen.pm*

Class Methods

new
generate

Pequel::Docgen::Chapter::Config

Extends *Pequel::Docgen::Chapter::Element*
Package *Docgen/Docgen.pm*

Class Methods

new
generate

Pequel::Docgen::Chapter::InputFields

Extends *Pequel::Docgen::Chapter::Element*
Package *Docgen/Docgen.pm*

Class Methods*new***Pequel::Docgen::Chapter::Tables**Extends *Pequel::Docgen::Chapter::Element*Package *Docgen/Docgen.pm***Class Methods***new**generate***Pequel::Docgen::Chapter::TablesSummary**Extends *Pequel::Docgen::Chapter::Element*Package *Docgen/Docgen.pm***Class Methods***new**generate***Pequel::Docgen::Chapter::PequelScript**Extends *Pequel::Docgen::Chapter::Element*Package *Docgen/Docgen.pm***Class Methods***new**generate***Pequel::Docgen::Chapter::PequelGenerated**Extends *Pequel::Docgen::Chapter::Element*Package *Docgen/Docgen.pm***Class Methods***new**generate*

Pequel::Lister

Extends *Pequel::Code::Pod*
Package *Lister/Lister.pm*

Class Attributes

pmList
classHierarchy
classReference

Class Methods

new

Pequel::Lister::SrcList

Extends *Pequel::Lister*
Package *Lister/Lister.pm*

Class Methods

new
generate
packageFileName
packageClasses

Pequel::Lister::ProgRef

Extends *Pequel::Lister*
Package *Lister/Lister.pm*

Class Methods

new
generate
sectionClassHierarchy
sectionPackageList
sectionTypeList
sectionClassReference
generateClassHierarchy
generateReference

Pequel::Engine

Extends *Pequel::Code*

Package *Engine/Engine.pm*

Class Methods

new
execute
generate
codeDecl
codeInit
codeBreak
codePrint
codeMainBody
codeOutput
codeOutputFinal
codeHeaderInfo
codeUseStd
codeInputRecordLimitBreak
lineCounterVar
codeIncRecordCounter
codeRecordCounterMessage
codeRecordCounterMessageFinal
codeBenchmarkInit
codeBenchmarkStart
codeBenchmarkEnd
codeOpenOutput
codeOutputHeaderRecord
codeNumericFieldsInit
codeZeroNulls
sortString
codeOpen
maxHeaderLen
codeInputVarNames
codeOutputVarNames
codeTableFieldNames
codeInlineTableFieldNames
maxTableHeaderLen

Pequel::Engine::Inline

Extends *Pequel::Code*
Package *Engine/Inline/Inline.pm*

Class Methods

new
generate
codeInlineReset
codeInlineThreadsReset
codeInlineThreadsCreateFunc
codeInlineReadCache
codeInlineReadSplit

