

What's Next?



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Overview



Start experimentation using the Scala REPL

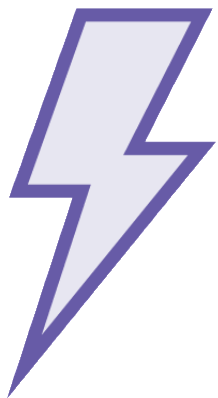
Explore the Scala API

Solve programming problems

Where to ask for help?



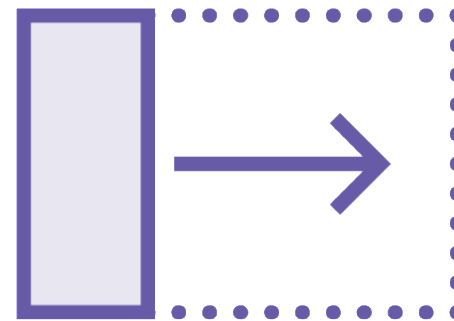
Scala REPL benefits



Fast Feedback



No Setup



Easy to Extend



scala> :help

All commands can be abbreviated, e.g., :he instead of :help.

:edit <id> <line>	edit history
:help [command]	print this summary or command-specific help
:history [num]	show the history (optional num is commands to show)
:h? <string>	search the history
:imports [name name ...]	show import history, identifying sources of names
:implicits [-v]	show the implicits in scope
:javap <path class>	disassemble a file or class name
:line <id> <line>	place line(s) at the end of history
:load <path>	interpret lines in a file
:paste [-raw] [path]	enter paste mode or paste a file
:power	enable power user mode
:quit	exit the interpreter
:replay [options]	reset the repl and replay all previous commands
:require <path>	add a jar to the classpath
:reset [options]	reset the repl to its initial state, forgetting all session entries
:save <path>	save replayable session to a file
:sh <command line>	run a shell command (result is implicitly => List[String])
:settings <options>	update compiler options, if possible; see reset
:silent	disable/enable automatic printing of results
:type [-v] <expr>	display the type of an expression without evaluating it
:kind [-v] <type>	display the kind of a type. see also :help kind
:warnings	show the suppressed warnings from the most recent line which had any

scala> █

Scala Standard Library 2.12.5

Secure | https://www.scala-lang.org/api/current/index.html

Scala Standard Library2.12.5

Search

p

root package

Packages

root

scala

package root

This is the documentation for the Scala standard library.

Package structure

The `scala` package contains core types like `Int`, `Float`, `Array` or `Option` which are accessible in all Scala compilation units without explicit qualification or imports.

Notable packages include:

- `scala.collection` and its sub-packages contain Scala's collections framework
 - `scala.collection.immutable` - Immutable, sequential data-structures such as `Vector`, `List`, `Range`, `HashMap` or `HashSet`
 - `scala.collection.mutable` - Mutable, sequential data-structures such as `ArrayBuffer`, `StringBuilder`, `HashMap` or `HashSet`
 - `scala.collection.concurrent` - Mutable, concurrent data-structures such as `TrieMap`
 - `scala.collection.parallel.immutable` - Immutable, parallel data-structures such as `ParVector`, `ParRange`, `ParHashMap` or `ParHashSet`
 - `scala.collection.parallel.mutable` - Mutable, parallel data-structures such as `ParArray`, `ParHashMap`, `ParTrieMap` or `ParHashSet`
- `scala.concurrent` - Primitives for concurrent programming such as `Futures` and `Promises`
- `scala.io` - Input and output operations
- `scala.math` - Basic math functions and additional numeric types like `BigInt` and `BigDecimal`
- `scala.sys` - Interaction with other processes and the operating system
- `scala.util.matching` - Regular expressions

Other packages exist. See the complete list on the right.

Additional parts of the standard library are shipped as separate libraries. These include:

- `scala.reflect` - Scala's reflection API (`scala-reflect.jar`)
- `scala.xml` - XML parsing, manipulation, and serialization (`scala-xml.jar`)
- `scala.swing` - A convenient wrapper around Java's GUI framework called Swing (`scala-swing.jar`)
- `scala.util.parsing` - Parser combinators (`scala-parser-combinators.jar`)

Automatic imports


Identifiers in the `scala` package and the `scala.Predef` object are always in scope by default.

Scala Standard Library 2.12.5 - x

Secure | https://www.scala-lang.org/api/current/scala/collection/immutable/index.html

Scala Standard Library2.12.5

Search



scala.collection

immutable

package **immutable**

Filter all members

Type Members

final case class ::[B](head: B, tl: List[B])

A non empty list characterized by a head and a tail.

abstract class AbstractMap[K, +V]

Explicit instantiation of the **Map** trait to reduce class file size in subclasses.

abstract class BitSet

A class for immutable bitsets.

trait DefaultMap[A, +B]

A default map which implements the + and - methods of maps.

sealed class HashMap[A, +B]

This class implements immutable maps using a hash trie.

sealed class HashSet[A]

This class implements immutable sets using a hash trie.

trait IndexedSeq[+A]

A subtrait of **collection.IndexedSeq** which represents indexed sequences that are guaranteed immutable.

Packages

root

scala

collection

concurrent

convert

generic

immutable

C ::

C AbstractMap

O C BitSet

t DefaultMap

O C HashMap

O C HashSet

O t IndexedSeq

O C IntMap

O t Iterable

O t LinearSeq

O C List

O C ListMap

O C ListSet

O C LongMap

O t Map

O t MapLike

t MapProxy

O Nil

O C NumericRange

Summary



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