

Java-Success.com

Prepare to fast-track, choose & go places with 800+ Java & Big Data Q&As with lots of code & diagrams.

[Home](#) [Why? ▾](#) [300+ Java FAQs ▾](#) [300+ Big Data FAQs ▾](#) [Courses ▾](#)[👤 Membership ▾](#) [Your Career ▾](#)[Home](#) › [bigdata-success.com](#) › [Tutorials - Big Data](#) › [TUT - Starting Spark & Scala](#) ›

01. Setting up Scala & practicing the concepts via REPL the Scala way for Java developers

01. Setting up Scala & practicing the concepts via REPL the Scala way for Java developers

📅 Posted on [July 24, 2016](#)

Scala runs on the JVM, so Java and Scala stacks can be freely mixed. You can call Java libraries from Scala. Having said this, it is very important that you learn to write code the Scala way, and Not Java way. Currently, Java programmers with Scala experience are paid more and in demand.

300+ Java Interview FAQs

300+ Java FAQs



16+ Java Key Areas Q&As



150+ Java Architect FAQs



80+ Java Code Quality Q&As



150+ Java Coding Q&As



300+ Big Data Interview FAQs

300+ Big Data FAQs



Tutorials - Big Data



TUT - Starting Big Data

TUT - Starting Spark & Scala

Step 1: Download the latest version of Scala from "http://www.scala-lang.org/". I downloaded scala-2.11.6 for windows 8 and installed it in "C:\development\scala-2.11.6" same location where my Java 8.

Step 2: Now, if you check your environment variable "path", it should have "C:\development\scala-2.11.6\bin". Open a DOS environment, and type

```
1
2 scala -version
3
```

Step 3: Type "scala" on the command prompt to get the "REPL" shell, which stands for Read-Eval-Print-Loop.

```
1
2 c:\somefolder>scala
3 scala> print("Hello scala")
4 Hello scala
5 scala>:q
6
```

":q" to quit the Scala shell. You can practice Scala on this REPL.

Step 4: Entering multi-line commands on REPL by starting with **":paste"** and **"ctrl+d"**

```
1
2 scala> :paste
3 // Entering paste mode (ctrl-D to finish)
4
5 val number1:Int = 5
6 val number2:Int = 5
7 val sum = number1 + number2
8
9 // Exiting paste mode, now interpreting. "(ctrl+d"
```

TUT - Starting with Python

TUT - Kafka

TUT - Pig

TUT - Apache Storm

TUT - Spark Scala on Zeppelin

TUT - Cloudera

TUT - Cloudera on Docker

TUT - File Formats

TUT - Spark on Docker

TUT - Flume

TUT - Hadoop (HDFS)

TUT - HBase (NoSQL)

TUT - Hive (SQL)

TUT - Hadoop & Spark

TUT - MapReduce

TUT - Spark and Scala

TUT - Spark & Java

TUT - PySpark on Databricks

TUT - Zookeeper

800+ Java Interview Q&As

300+ Core Java Q&As



300+ Enterprise Java Q&As



150+ Java Frameworks Q&As



120+ Companion Tech Q&As



Tutorials - Enterprise Java



```
10
11 number1: Int = 5
12 number2: Int = 5
13 sum: Int = 10
14
15 scala>
16
```

Step 5: In the above example, the **number1** type was declared as an “Int”. In Scala the data types can be **inferred** as shown below.

```
1
2 scala> :paste
3 // Entering paste mode (ctrl-D to finish)
4
5 val number1 = 5
6 val number2 = 5
7 val sum = number1 + number2
8
9 // Exiting paste mode, now interpreting.
10
11 number1: Int = 5
12 number2: Int = 5
13 sum: Int = 10
14
15 scala>
16
```

So, REPL is a great way to learn the Scala core concepts to write code the Scala way with free online tutorials and YouTube videos. Search for “**Scala tutorials for Java developers**”. Learn the concepts like type inference, immutability, functional programming, expressions, pattern matching, case classes, partial function, Option type to prevent NullPointerExceptions, reactive programming, multiple parameter sets, etc.

I will focus more on **industrial strength** tutorials in Scala with **Akka, Spark, reactive programming**, etc that empowers you to target low latency and Big Data jobs.

◀ 04: Running a Simple Spark Job in local & cluster modes

02. Setting up Scala IDE & using Maven plugins for Java developers ▶

Disclaimer

The contents in this Java-Success are copyrighted and from EmpoweringTech Pty Ltd. The EmpoweringTech Pty Ltd has the right to correct or enhance the current content without any prior notice. These are general advice only, and one needs to take his/her own circumstances into consideration. The EmpoweringTech Pty Ltd will not be held liable for any damages caused or alleged to be caused either directly or indirectly by these materials and resources. Any trademarked names or labels used in this blog remain the property of their respective trademark owners. Links to external sites do not imply endorsement of the linked-to sites. [Privacy Policy](#)

© 2022 [java-success.com](https://www.java-success.com)