

Chapter number	Software required (With version)	Free/Proprietary	If proprietary, can code testing be performed using a trial version	If proprietary, then cost of the software	Download links to the software	Hardware specifications	OS required
1-12	Java 1.8 Scala 2.12.x Maven 3+/SBT 1.1+ Modern IDE (recommended), e. g. IntelliJ	Free	-	-	https://java.com/en/download/ https://www.scala-lang.org/download/ https://maven.apache.org/download.cgi https://www.scala-sbt.org/download.html https://www.jetbrains.com/idea/download/	Common laptop or desktop, 4+ GB RAM recommended	Any

The environment set up is covered in Chapter 1.

1. Installing Java 1.8 - you can install Java just like you would any software. Detailed instructions for your operating system can be found after you go to the provided link. It is recommended that you set the `JAVA_HOME` environment variable in your operating system to point to the Java installation folder. For more information, you should see how to set up environment variables in your OS.
2. Installing Scala 2.12.x (optional if you decide to use IntelliJ) - detailed instructions can be found in the provided web site. Java 1.8 is required for Scala.
3. Installing a build tool (optional if you decide to use IntelliJ) - this is a matter of personal choice. We've provided examples for Maven and SBT.
 1. Maven - instructions can be found in the official Maven website. In some operating systems, you can just run a console command to have it installed.

2. SBT - this is the preferred build tool for Scala development. Installation instructions are provided for your relevant operating system in the provided link.
4. Installing IntelliJ - installation instructions are provided for your relevant operating system.
 1. After you install IntelliJ, you are recommended to install the Scala plugin for IntelliJ: go to **Preferences -> Plugins -> Install JetBrains plugin....** In the search field write **Scala** and follow the instructions.