

# Software Hardware List

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 to 9	Java SE Runtime Environment 8	Free	-	-	<a href="http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html">http://www.oracle.com/technetwork/java/javase/downloads/jre8-downloads-2133155.html</a>	-	Any
1 to 9	Java SE Development Kit 8	Free	-	-	<a href="http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html">http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html</a>	-	Any
1 to 9	Java Platform, Enterprise Edition 8 SDK	Free	-	-	<a href="http://www.sampleURL.com">http://www.sampleURL.com</a>	-	Any
1 to 9	Maven 3.3 or later	Free	-	-	<a href="https://maven.apache.org/download.cgi">https://maven.apache.org/download.cgi</a>	-	Any

Detailed installation steps (software-wise)

The steps should be listed in a way that it prepares the system environment to be able to test the codes of the book.

1. Java SE Runtime Environment 8 (JRE)
  1. Run the installer
  2. Follow the steps of the installer

3. The detailed instructions for each OS can be found here: [https://docs.oracle.com/javase/8/docs/technotes/guides/install/install\\_overview.html](https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html)
2. Java SE Development Kit 8 (JDK):
  1. Run the installer
  2. Follow the steps of the installer
  3. Create a `JAVA_HOME` OS environment variable with the location to the JDK
  4. Add the `JAVA_HOME/bin` directory to the OS `PATH` environment variable
  5. The detailed instructions for each OS can be found here: [https://docs.oracle.com/javase/8/docs/technotes/guides/install/install\\_overview.html](https://docs.oracle.com/javase/8/docs/technotes/guides/install/install_overview.html)
3. Java Platform, Enterprise Edition 8 SDK
  1. Run the installer
  2. Follow the steps of the installer
  3. The detailed instructions can be found here: <http://www.oracle.com/technetwork/java/javasee/documentation/ee8-install-guide-3894351.html#install>
4. Maven 3.3 or later
  1. Extract the downloaded file
  2. Create the `M2_HOME` and `MAVEN_HOME` OS environment variables and point them to the folder where you extracted the downloaded file
  3. Add the `M2_HOME\bin` directory to the OS `PATH` environment variable
  4. The detailed instructions can be found here: <https://maven.apache.org/install.html>