

Software specifications

Chapter number (all chapters)	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	Git version control system	Free	---	---	https://git-scm.com/	Modern computer with processor i3 or more powerful. >= 4gb ram.	Windows, Linux or macOS
2	Java JDK	Free	---	---	http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html	Modern computer with processor i3 or more powerful. >= 4gb ram.	Windows, Linux or macOS
3	IntelliJ IDEA Ultimate	Proprietary	---	---	https://www.jetbrains.com/idea/download	Modern computer with processor i3 or more powerful.	Windows, Linux or macOS

						>= 4gb ram.	

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.

On Windows:

1. Git:
 - a. Download software from website
 - b. Run installation executable
 - c. Follow installation wizard instructions
2. Java JDK
 - a. Download software from website
 - b. Run installation executable
 - c. Follow installation wizard instructions
3. IntelliJ IDEA Ultimate
 - a. Download software from website
 - b. Run installation executable
 - c. Follow installation wizard instructions

On Linux:

1. Git:
 - a. Open terminal
 - b. If running Fedora based OS: yum install git
 - c. If running Debian based OS: apt-get install git
2. Java JDK

- a. Download proper package from website (rpm)
 - b. Open terminal
 - c. Install rpm: `rpm -ihv package_name.rpm`
3. IntelliJ IDEA Ultimate
 - a. Download archive from the website
 - b. Unpack the content of the archive
 - c. Run IntelliJ IDEA Ultimate script executable

On macOS:

1. Git:
 - a. Comes installed with the system
2. Java JDK
 - a. Download software from website
 - b. Run installation package
 - c. Follow the instructions
3. IntelliJ IDEA Ultimate
 - a. Download software from website
 - b. Run installation package
 - c. Follow the instructions