

Software specifications

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
All	Java 9				https://jdk9.java.net/download/	2 GB of RAM and 20GB of disk.	Linux or Windows

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.

Refer to the following link for installation instructions:

- <https://docs.oracle.com/javase/9/install/overview-jdk-9-and-jre-9-installation.htm#JSJIG-GUID-8677A77F-231A-40F7-98B9-1FD0B48C346A>

Once installation of Java 9 is complete, the location of javac and java commands must be added to the PATH variable. The code must be downloaded and unzipped. The following commands must be run from inside the unzipped directory.

1. In the command prompt, move to the directory where the files compile.sh and compile.bat are there.

2. Linux users can run the command *sh compile.sh* to compile the programs. Windows users can run *compile.bat* to compile the programs.
3. Once compiled, any class with a main function can be run using the following command. This command also must be run from the compilation directory.

- `java --module-path mods -m <module_name>/<qualified_classname>`

I encourage you to play around with the examples. Try new variations in the main functions of corresponding data structures do see how they behave. Every time you change the code, you can run the compilation again to compile your new code. You can add new files or even new modules and run the same compilation steps to compile them.