

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 chapters	Python 3.6.x	Free			https://www.python.org/downloads/		Linux, macOS or Windows
Chapter 15	SQLite 3.22.0 or later	Free			https://www.sqlite.org/download.html		Linux, macOS or Windows
Chapter 15	RabbitMQ 3.7.7	Free			https://www.rabbitmq.com/download.html		Linux, macOS 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.

SQLite

1. SQLite on Windows
 1. Download the pre-compiled binaries from the SQLite Downloads page (the zip containing binaries for the SQLite DLL and for the SQLite Command Shell).
 2. In your new directory C:\SQLite3, you should now have the following items: sqlite3.def, sqlite3.dll, sqlite3.exe.
 3. To start the SQLite console and verify that everything is fine, you can run the sqlite3.exe file. *In the examples of the book, we will be calling SQLite directly through Python, so that should not be needed.*
2. SQLite on Linux
 1. Install the corresponding "sqlite3" package using your Linux package manager.
3. SQLite on MacOS
 1. The OS should come with SQLite pre-installed. If you have to upgrade, try using Homebrew (<https://brew.sh>).

Rabbit MQ

1. Docker method:
 1. Refer to <https://docs.docker.com/install> for Docker installation instructions, if needed.
 2. Run the docker image for the Rabbit MQ server from https://hub.docker.com/_/rabbitmq/. For example, use the command `docker run -d -p 5672:5672 -p 15672:15672 --name rabbitmq rabbitmq`.
2. Non-Docker method:
 1. On debian-based operating systems: `apt-get install rabbitmq-server`
 2. On MacOS, use Homebrew: `brew install rabbitmq`
 3. For other platforms, refer to the download page.