

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
1-10	Python 3.7	Free	-	-	<a href="https://www.python.org/downloads/">https://www.python.org/downloads/</a>	System with 4GB RAM	Linux, OSX, or Windows
10	Docker	Free	-	-	<a href="https://www.docker.com/get-started">https://www.docker.com/get-started</a>	System with 4GB RAM	Linux, OSX, 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.

1. Python
  1. (for OSX or Windows): Download the image of Python from the provided, link, extract, and follow the installation steps of the wizard.
  2. After a successful installation, opening a terminal and typing `python3` should launch the Python interpreter
2. For Linux, the Python interpreter automatically comes installed with most of the distributions, and in case it's not, it can be downloaded from the package manager for your distribution.
3. Create a virtual environment, and once activated run the following command:

```
make setup
```

This will install the common dependencies. Besides this, each chapter might have additional ones, for which another `make setup` will have to be run inside that particular directory. Each chapter has its corresponding directory given by its number.

4. Inside each chapter directory, tests can be run as:

```
make test
```

5. This requires the make application installed (in Unix environments). In environments without access to the `make` command, the same code can be tested by running the commands on the `Makefile`:

```
python -m doctest *.py  
python -m unittest *.py
```