

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
All	Python 3.5 or 3.6	Free	Yes	-	https://www.python.org/	A Linux, Mac or Windows system with	Linux, BSD, Windows Vista or newer or macOS

Installing Python

For different operating systems, the installation steps are as follows.

Windows users

On Windows, Python has to be explicitly installed, follow this steps to grab a working Python interpreter:

1. Download the Python executable installer from <https://www.python.org/downloads/windows/> for your system configuration (32 or 64 bits)
2. Run the installer
3. Make sure to flag the Add Python to PATH option which will make the `python.exe` command available in all shells
4. Follow through the proposed install steps
5. In Start menu you will find a Python 3.X folder that contains IDLE, the Python development environment

MacOSX users

On macOS, Python comes included with the system itself. Opening a Terminal and running the `python` command will be enough to start a Python interpreter.

The provided interpreter won't by the way be able to run all the examples in this book, as the provided version is a very old one (2.7 at the time this book was written) and many examples in this book will require at least Python 3.5.

So you should probably install a newer version of Python through brew or by following this steps:

1. Download the Python installer from <https://www.python.org/downloads/mac-osx/>
2. Run the installer
3. Follow through the proposed install steps
4. Run `python3` command in a Terminal to start the newly installed python

Linux users

Linux systems usually ship Python through their own package manager (`yum`, `apt`, `pacman`, `portage`) so you should refer to your own distribution documentation on how to install packages to ensure you can install a package for the Python 3.5 or newer interpreter.

If your distribution doesn't provide a package for a recent Python version, you can try to download Python source code from <https://www.python.org/downloads/source/> and build it yourself.