

| 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 |
|----------------|----------------------------------|------------------|---|---|---|---|-------------|
| 1-13           | Python                           | Free             | -   | -   | <a href="https://www.python.org/">https://www.python.org/</a>                       | Either 32-bit or 64-bit architecture<br>2+ GHz CPU<br>4 GB RAM<br>At least 10 GB of hard disk space available | Windows     |
| 1-13           | OpenCV                           | Free             | -   | -   | <a href="https://opencv.org/">https://opencv.org/</a>                               | Either 32-bit or 64-bit architecture<br>2+ GHz CPU<br>4 GB RAM<br>At least 10 GB of hard disk space available | Windows     |
| 1-13           | PyCharm                          | Free             | -   | -   | <a href="https://www.jetbrains.com/pycharm/">https://www.jetbrains.com/pycharm/</a> | Either 32-bit or 64-bit architecture<br>2+ GHz CPU<br>4 GB RAM<br>At least 10 GB of hard disk space available | Windows     |