# 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 |
|---|---|---|---|---|---|---|---|
| 2 | Beautiful Soup | free | n/a | 0 | https://www.crummy.com/software/BeautifulSoup/bs4/doc/ | N/a | Any |
| 10 | RxPy | free | n/a | 0 | https://github.com/ReactiveX/RxPY | n/a | Any |
| 11 | Anaconda | free | n/a | 0 | https://www.continuum.io/downloads | N/a | any |
| 11 | Theano | free | n/a | 0 | http://deeplearning.net/software/theano/ | n/a | Any |
| 11 | PyOpenCL | free | n/a | 0 | https://mathema.tician.de/software/pyopencl/ | n/a | Any |

# 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. Beautiful Soup

    a. full steps can be found here: https://www.crummy.com/software/BeautifulSoup/bs4/doc/#installing-beautiful-soup

2. RxPy

    a. full instructions can be found here: https://github.com/ReactiveX/RxPY#install

3. Anaconda

    a. download and install from https://www.continuum.io/downloads

4. Theano

    a. full instructions can be found here: http://deeplearning.net/software/theano/install.html

5. PyOpenCL

    a. full instructions can be found here: https://documen.tician.de/pyopencl/misc.html