python-implementation-of-convolution

Required Libraries

- Numpy
  - `$ pip3 install numpy`
- Opencv
  - `$ pip3 install opencv-python`

Execution of Menu driven code

- Set the path to image on line5 of main.py, By default the gear.jpg within the data folder is set as input image
- Run the main.py file `$ python3 main.py`

Notes:

- Details of avgfilter module can be viewed using python help function `>>help(avgfilter)`
- Troubleshoot.py can be used to visualise the results of zero padding and mirror pading
- Data folder contains 2 sample images for the code
- Processed_example folder contains example outputs