**Assignment 2**

**Q1.** Given an audio file (test.wav) which is noisy, you need to filter it in the following ways

1. Time domain (moving averaging filter)
2. Frequency domain filtering
3. Perform spectral subtraction.

(HINT: To load the .wav file in python, use scipy.io.wavfile.read(‘Location of file’))

In all cases, play the audio files and show the input and output plots.

**Q2.** For the given low contrast images, you need to implement histogram equalization and correct the contrast of the image.   
(use of functions is not allowed)

https://www.advsolned.com/the-moving-average-filter/