1. Write a python code for implementing the following

* Read an image and print
* Try to rotate the image 90 degrees clockwise and then apply a shear transformation
* Apply the shear and try to rotate the image 90 degrees clockwise
* Do you think the result of 3 and is same?
* Print the shape of the image
* Create the random image using random function and print the same
* Take some portion of image and change the colour of it
* Read the image and print it as a gray
* Read the image and apply the Gaussian filter, median filter and non local means filter to remove the noise in the image.
* Read the images and print them using for loop. Example> images/test/bus/ Bus1.jpg

Bus2.jpg

Bus3. Jpg

1. Implement a neural network with a single perceptron and one input node for simple linear regression