**Objective**

The goal of this assignment is threefold:

a) For the image given below (lena.jpg) add random Gaussian noise (mean = 0.0, sigma = 20.0) and generate array of 10 noisy images.

b) Compute average of the 10 images by adding them pixel by pixel and dividing the result by 10. This should be able to clean up the image by suppressing the random noise.

c) Display at least 6 noisy images and finally the clean image

**Conclusion**

Based on the images above we can see that after implementing Gaussian noise with a mean value of 0 and a sigma value of 20 we can see that the images are noisy, however, after computing the average of 10 images by adding them pixel by pixel and dividing the result by 10 gives us a cleaned image which is done by suppressing the random noise.