Lab exercise

1. Download images with poor contrast (at least one with more numbers of dark pixels and another with more numbers of bright pixels) from web. Implement histogram equalization for both the images and conclude the result. Use inbuilt function in matlab (search it) and also do it without using inbuilt function (hint: use formula taught in slides). Also plot respective histograms for input and results.
2. Download images with salt and pepper noise. Apply averaging filter, median filter, maximum filter and minimum filter to it. Use window size of 3x3. Compare the results with different types of images.
3. Take an image and perform bit plane slicing for each bits. Plot all those bit planes in different window. Relate your report how bits depict information.
4. Take an image and apply sharpening filters and high boost filters to it. Compare and contrast the result.

PS: You are allowed to submit soft copy. Search various commands on matlab as per your requirements. Try that command with your own coding too.

Thank you!!! Best of Luck!!!