Image Processing Lab
Sem 1
Lab 1: Familiarization to Image Processing using python
09/08/2018

1.Try to complete the lab questions during the lab time (in lab submission)
2.Please do not copy programs.

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1. Write a Python program to
   (a) Find the largest and smallest element in a matrix and print the values along with their position.

   (b) Input two arrays and output the common values between the two.

   (c) Do elementwise addition,subtraction,multiplication and division with and without built-in functions.

   (d) Starting with any uniform signal, do repeated convolutions to itself and illustrate central limit theorem.

2. Read,display and save the "lenna.jpg" image to another format. Also display the image format,size,mode and information of the original image using built in commands.

3. Familiarize the following basic commands in PIL:
   (a) crop,paste
   (b) split,merge
   (c) resize,rotate,transpose
   (d) blend
   (e) convert,copy
   (f) getbands,getextrema,getpixel,putpixel
