

IVP Lab Assignment 2

Instructions:

All the students have to solve these problems without using predefined functions in the lab only.

Students have to submit their solved rollno_A2.m file.

1. Create a grayscale ramp image of 180 x 180 size in such a way that the intensity of half of the ramp gradually changes from black to white and intensity of the second half of ramp change from white to black.
2. Create a grayscale image of 180 x 180: a square inside a circle in such a way that pixel value of square should be white and remaining pixel of image should be black. Center of the circle and square should be the same, all four corners of the square should touch the circumference of the circle.
3. Get a picture of yourself taken. Make sure it is 8 bit grayscale and read your picture into matlab as a matrix. Perform following operations on your picture
 - a. Transpose
 - b. Flip vertical
 - c. Flip horizontal
 - d. Flip diagonally