

Assignment 1

1. Read the image '**winter.jpg**' & crop it according to a rectangle [100 100 300 300] and show it.
2. Read the colour image '**waterlilies.jpg**' and show the image. Then convert it to gray image and show the gray image.
3. Flip a gray image using array indexing [fp=y(end:-1:1,:)] and show the flipped image .
4. Obtain a subsample image from the gray image using array indexing [fs=y(1:2:end,1:2:end)] and show it.
5. Read the original colour image '**waterlilies.jpg**' and show it.
6. Read the image '**photo1.jpg**', rotate it through a specified angle (say 45°, -45° and show the images). Check the image intensity value if they are of unit 8 class. Convert the image intensity values to class double. Also convert the above image to binary image and show it.

You can use any other image of your choice.