

Assignment 2

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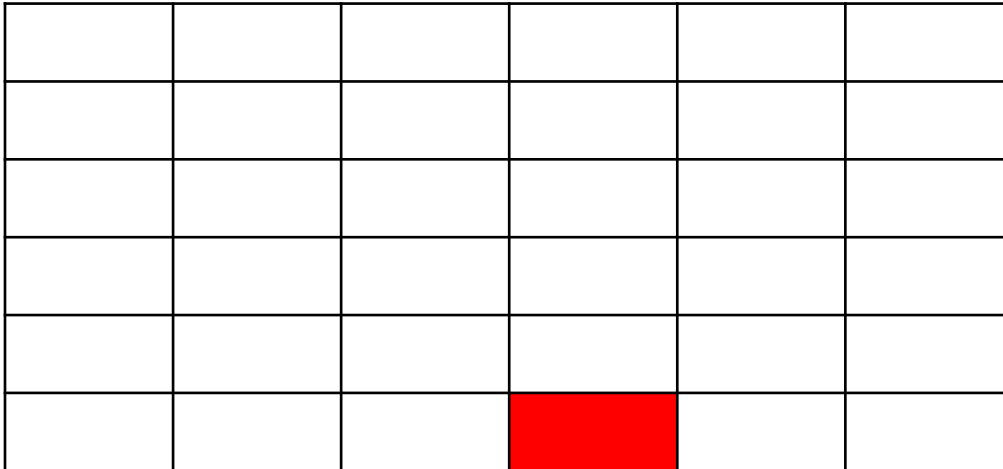
- Read an image "lena.png" as a gray-scale image
- Perform the following operations
 - Generate a 90-degree rotated image
 - On the generated image, perform negative transformation if the pixel value is smaller than 127. Otherwise, perform gamma transformation with gamma as 10
- Display the input and the result on two windows
 - 'gray image' for input
 - 'result' for result

Exercise 2

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- Write a code that access the pixel in red if the image is a 1-channel image.



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- Write a code that generates a upside-down image. Assume that the input image is a 1-channel image, and the name of the input image is 'test2'. And the width and the height of 'test2' are 'w' and 'h', respectively. The name of the generated image is 'test2_upsidedown'.

Exercise 2

- When the image was taken in a very dark place, what should be the value of gamma for gamma correction to enhance the image?

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- Suggest an algorithm which determines the value of gamma for gamma correction to enhance the input image