FL #1

1. Read any color image, and print its height and width.

2. Write the color image.

3. Design a function to convert RGB color image to gray.

    $Y = 0.3R + 0.5G + 0.2B$

4. Design a function to change the image intensity (Be careful of over-/under-flow).
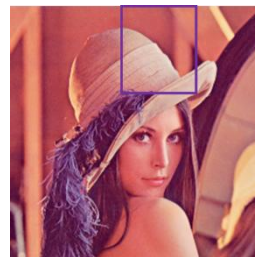
    Input : image, offset

    Output : image

5. Design a function to extract the part of image.

    Input : image, (pos_x, pos_y, height, width)

    Output : image block

6. Design a function to find statistics of given image

    Input : image

    Output : mean, variance, max, min,