Assignment 3

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- Read an image “lena.png”
  - Perform Average filtering on the left-half of the image
    - Set the mask size as (7,7)
    - blur(in, out, Size(val1, val2))
      - Blurs an image using the normalized box filter
      - in: input image, out: output image, Size(val1, val2): blurring kernel size
  - Width/Height of an image?
    - Img.cols, Img.size().width ➔width of Img
    - Img.rows, Img.size().height ➔height of Img

Assignment 3

- Read an image “moon.png”
  - Perform sharpening on the right-half of the image
    - Perform sharpening using second derivative
    - Laplacian(in, out, CV_16S);
      - calculates the Laplacian of an image
      - in: input, out: output, CV_16S: desire depth of output

- Read an image “saltnpepper.png”
  - Perform median filtering on the image
    - Set aperture size as 9
    - medianBlur(in, out, val);
      - Blurs an image using the median filter
      - in: src, out: dst, val: aperture size(must be odd and greater than 1)

Assignment 3

- Display 6 windows
  - The name of window should be
    - “lena”
    - “lena_filtered”
    - “moon”
    - “moon_filtered”
    - “saltnpepper”
    - “saltnpepper_filtered”