

Task 1.1 (a) Applying kernel of 3x3 on img-1.tif



A blurred image is obtained in the output (On the left) against input image (On the right)

(b) Applying 5x5 kernel



More Blurred Output image (on the left) than obtained in 3x3 kernel

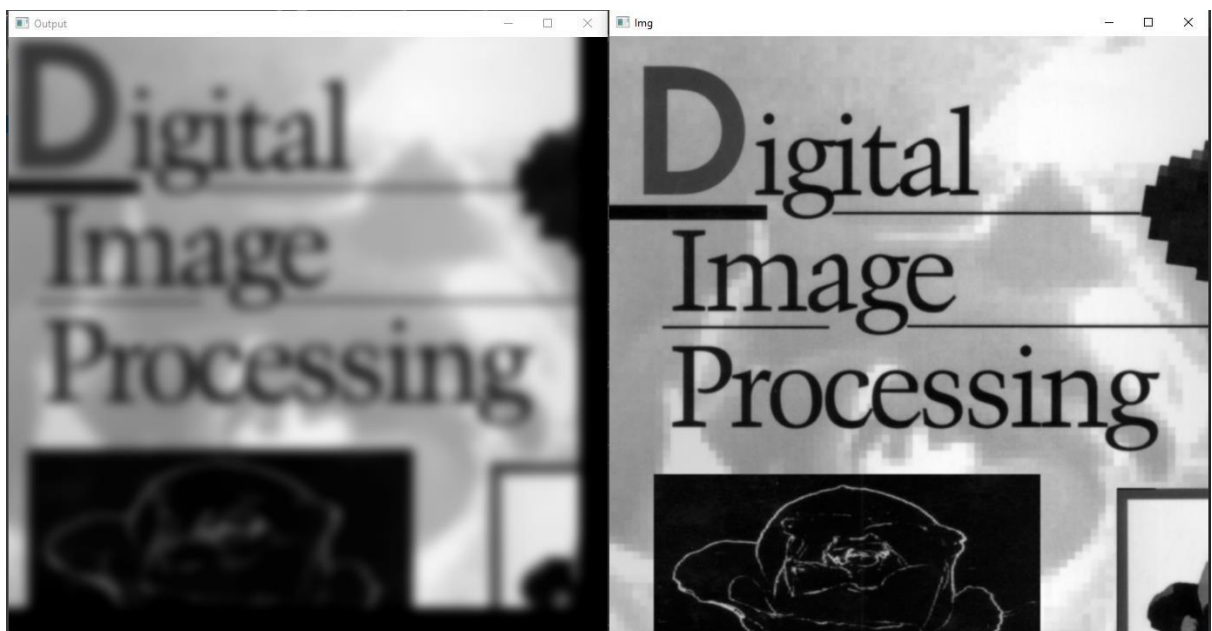
(c)Applying 7x7 kernel



More Blurred Output image (on the left) than obtained in 5x5 kernel

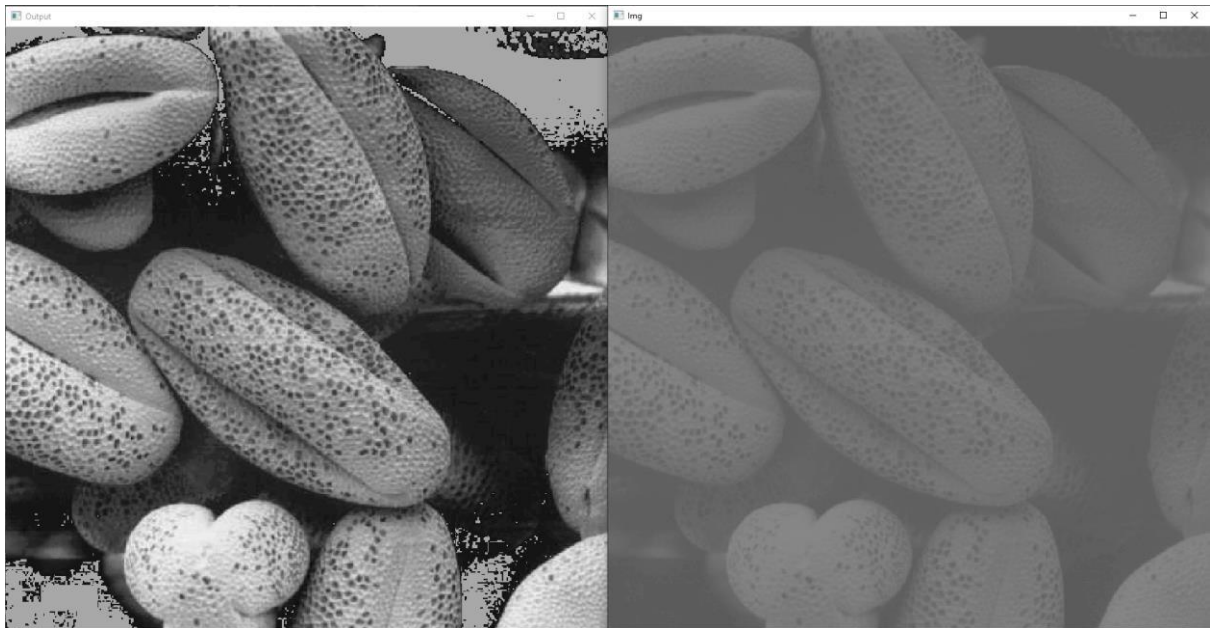
Task 1.2 Applied 10 times

If we repeatedly apply a filter to an image, it will be blurred. The intensity of blurriness will increase with each operation. The edges are extended more and more blurred when we apply the filter repeatedly. Here is an example of applying a 3x3 filter on an image 10 times



Blurred Output image (on the left)

Q2 Contrast Enhancement



Better contrast Output image (on the left) than input image (On the right) leading to sharper image