Assignment 2

1. The sharpness of the image increases as the value of k increase which can be seen below:

For **k** =1



For K=5



- 3. c) Reconstructed image is same as the original image. Integral applications:
 - improves the computation time can be used when processing time matters a lot.
 - fast calculation of the haar like features(2 rectangle feature, 3 rectangle features etc)
 - speeding up the process in SURF algorithm
 - for Block Matching
- d) The number of addition operation in the solution is 2*M*N where M*N is the size of the image.