

- 1) Develop a program performing histogram equalization on the input (grayscale) image:
  - a. First, write your own algorithm for histogram equalization.
  - b. Then, use built-in histogram equalization function.
  - c. Finally, display outputs of both your and built-in function.
- 2) Develop a program applying NxN averaging filter to the input (grayscale) image:
  - a. First, write your own algorithm for filtering. Size of the output image should be equal to size of the input image.
  - b. Then, use built-in filtering function for filtering.
  - c. Finally, display outputs of both your and built-in function.