**Homework 1**

The objective of this homework assignment is to develop algorithms that correspond to Sequential Labeling and the Hough Transform. Specifically, you are asked to implement routines including image binarization, connected components, geometric attributes, edge detection, circle detection, and non-maximum suppression.

Please setup a local Python environment as described in Module 1. Open the homework\_1.ipynb Python notebook and please answer the questions asked in the notebook. Most of the questions will involve python programming. Please submit the completed python notebook in Canvas.