**CS345 – Lab2 – Graph Annotation**

Enhance your Lab1 graphing program to provide annotations to your graph. The annotations should include:

* Labels for tick mark
  + Tick mark labels should be centered next to the tick marks.
* x-axis label – A title or description of the horizontal dimension. The x-axis label should be printed horizontally at the bottom of the graph.
* y-axis label – A title of description of the vertical dimension. The y-axis label should be printed vertically, along the left side of the graph.

Provide a dialog box that is invoked using a drop-down menu to request the following information:

* start tick mark for x-axis
* end tick mark for x-axis
* distance between x-axis tic marks
* start tick mark for y-axis
* end tick mark for y-axis
* distance between y-axis tic marks
* X-axis Label
* Y-axis Label
* caption for the graph

Prior to receiving the above user input, the program will display the data with/tick marks for the first and last data point on each of the axes.

**Additional Enhancements**

* Use the mouse wheel to zoom in and out.
* Drag with the left mouse button down to move the position of the graph.
* Print the graph
  + Print the graph as it is displayed on the monitor