ProjectCastor

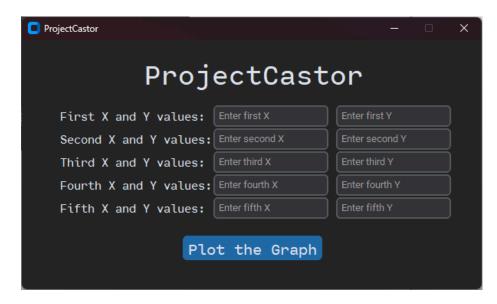
ProjectCastor is a group of young enthusiastic 8th graders each chosen for possessing a talent valuable to the group's goal.

This time, ProjectCastor has come up with an app which allows the plotting of line graphs in a very simple manner.

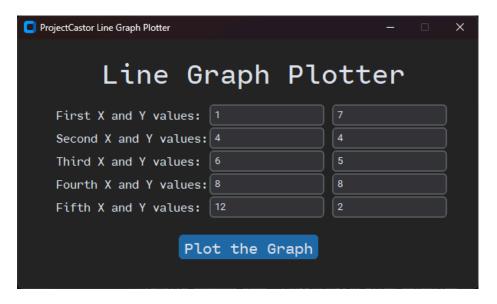
Note: The following demonstration is run on a Windows 11 machine in dark mode. Results may vary on different machines.

App Guide

On startup, the app contains the input boxes for 5 pairs of X and Y coordinates. On this screen, we can enter any value for any of the X and Y coordinates we wish to appear on a line graph.

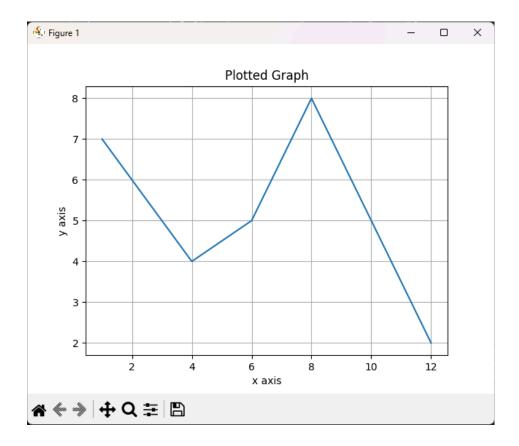


In this example, we have taken the following numbers:



Х	Υ
1	7
4	4
6	5
8	8
12	2

After we click "Plot the Graph", the requested line graph appears



Any set of values could work.

Features of ProjectCastor Line Graph Plotter:

- Very easy and straightforward to use.
- Runs on any Windows 10 & Windows 11 system.

matplotlib features:

- Scale is automatically set to the optimal scale for the given values.
- Zoom.
- Size of graph can be adjusted.
- Graph can be saved as an image.

Code explanation will be given during project showcase.