**DELHI PUBLIC SCHOOL GHAZIABAD**

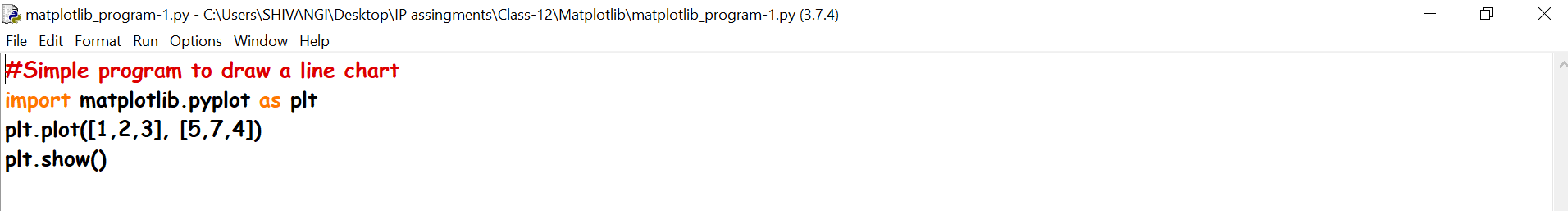
**INFORMATICS PRACTICES**

**ASSINGNMENT 3**

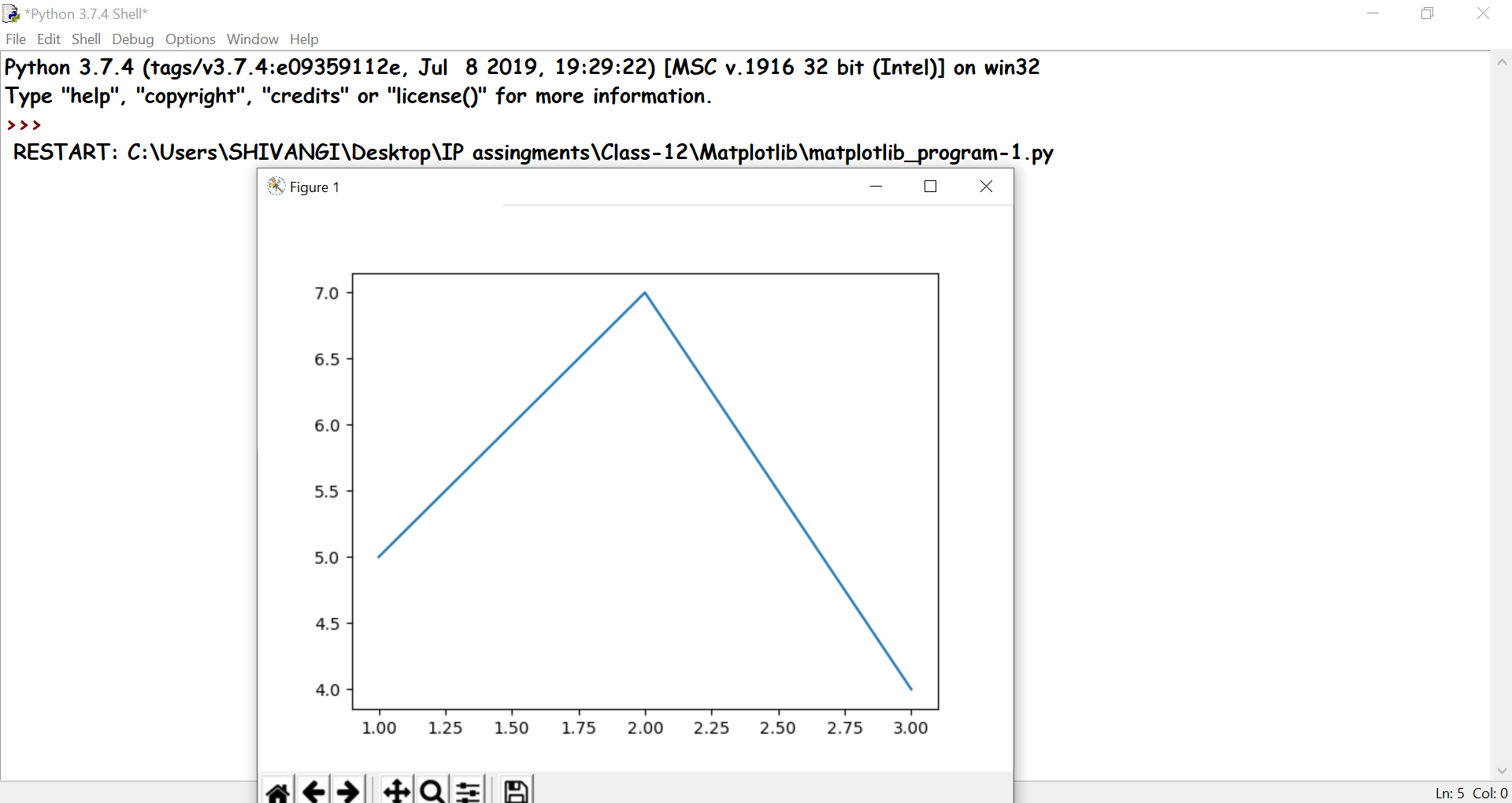
**MATPLOTLIB**

Ques1- Write a program in python to draw a simple line chart.

**CODE**

****

**OUTPUT**

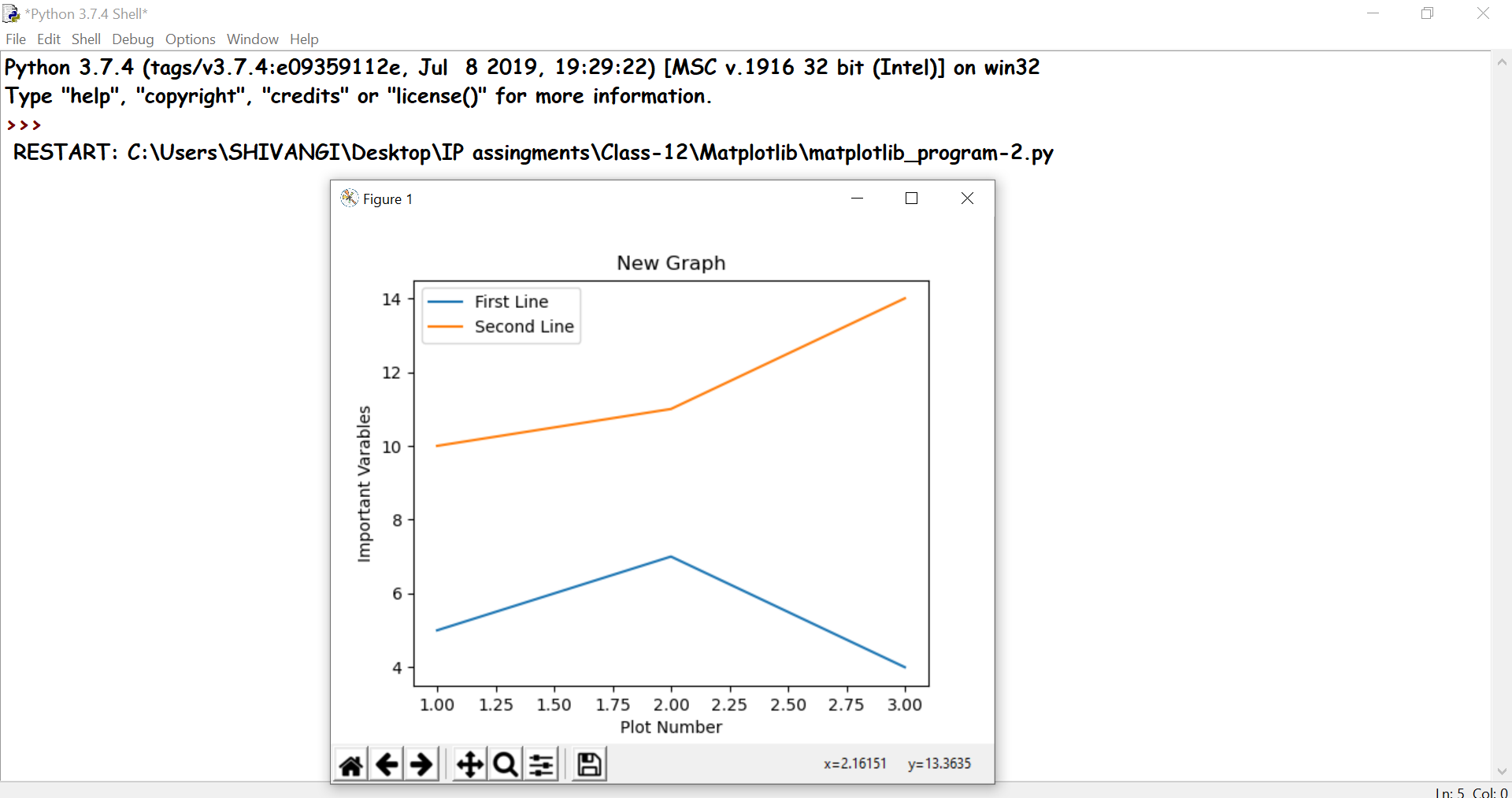
****

Ques2- Write a program in python to draw two lines along with proper titles and legends.

**CODE**

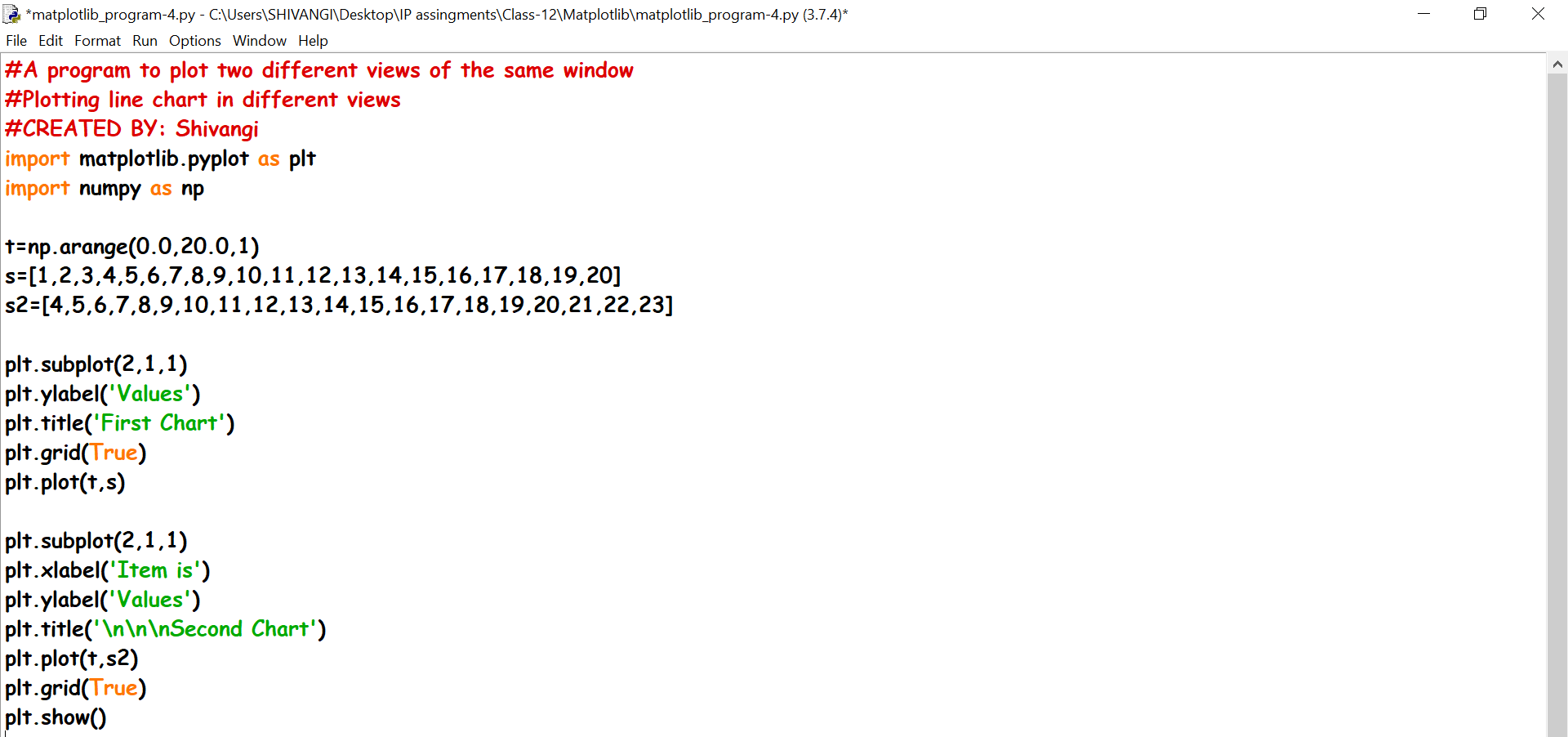
****

**OUTPUT**

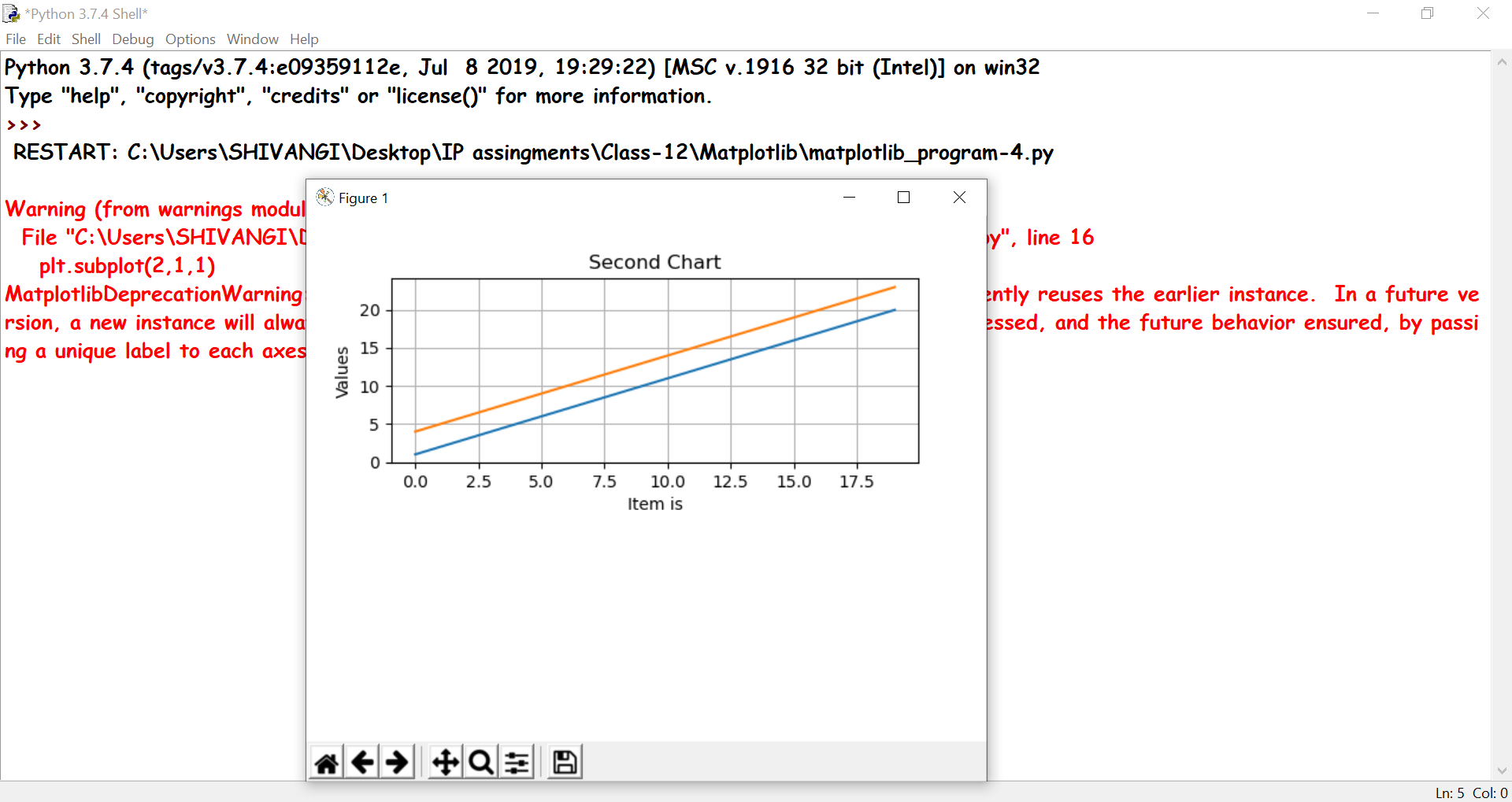
****

Ques3-Write a program to plot two different views of the same window

**CODE**

****

**OUTPUT**

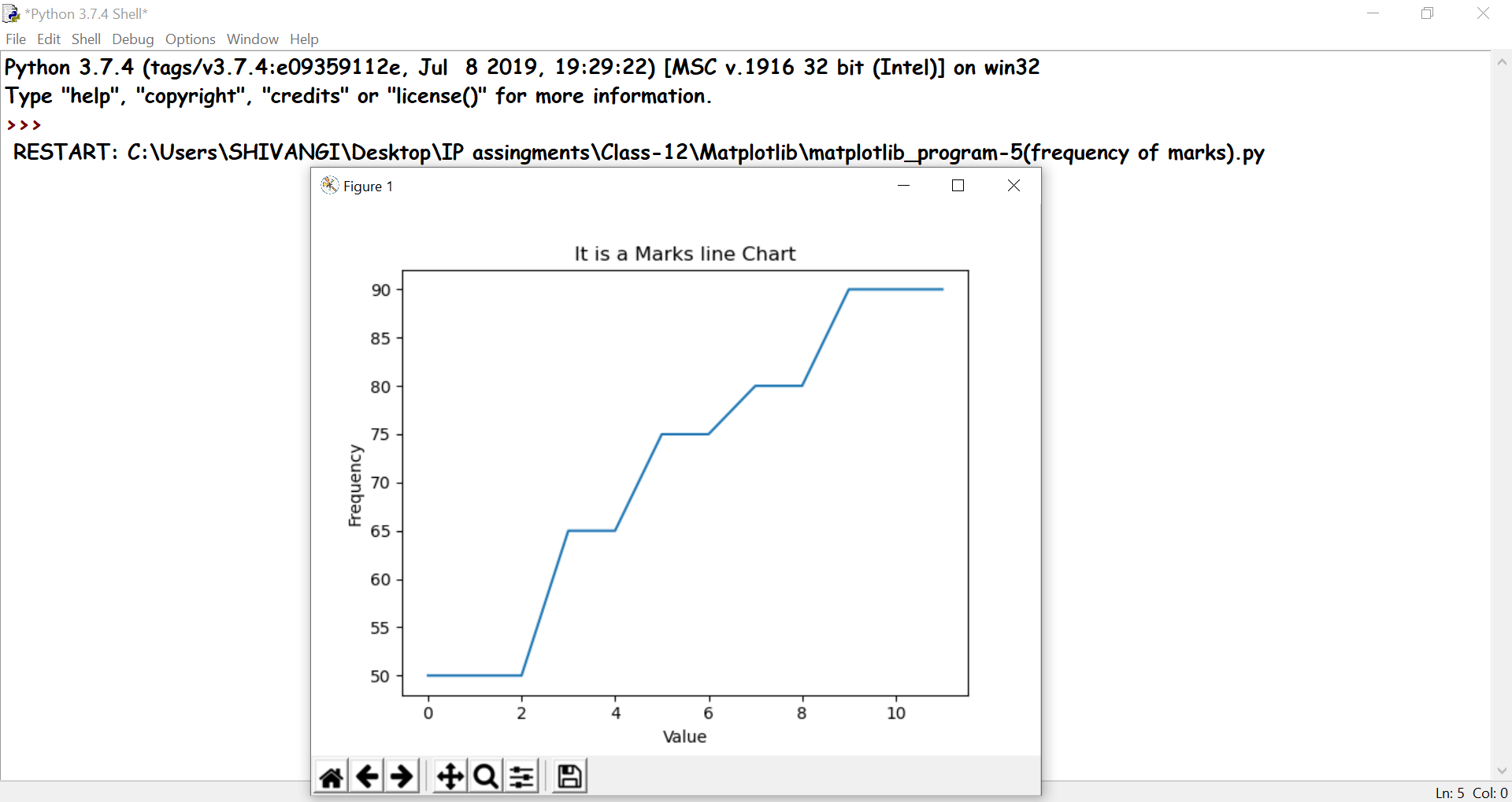
****

Ques4-Write a program to plot frequency of marks using line chart.

**CODE**

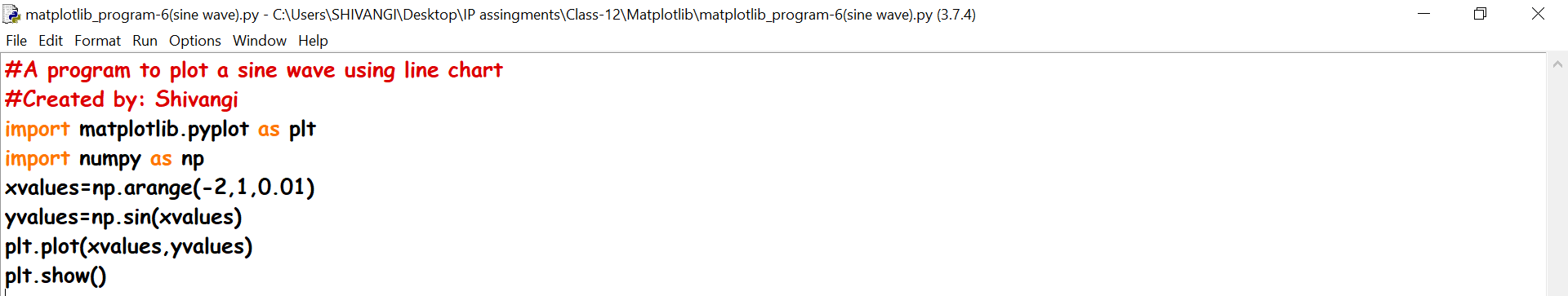
****

**OUTPUT**

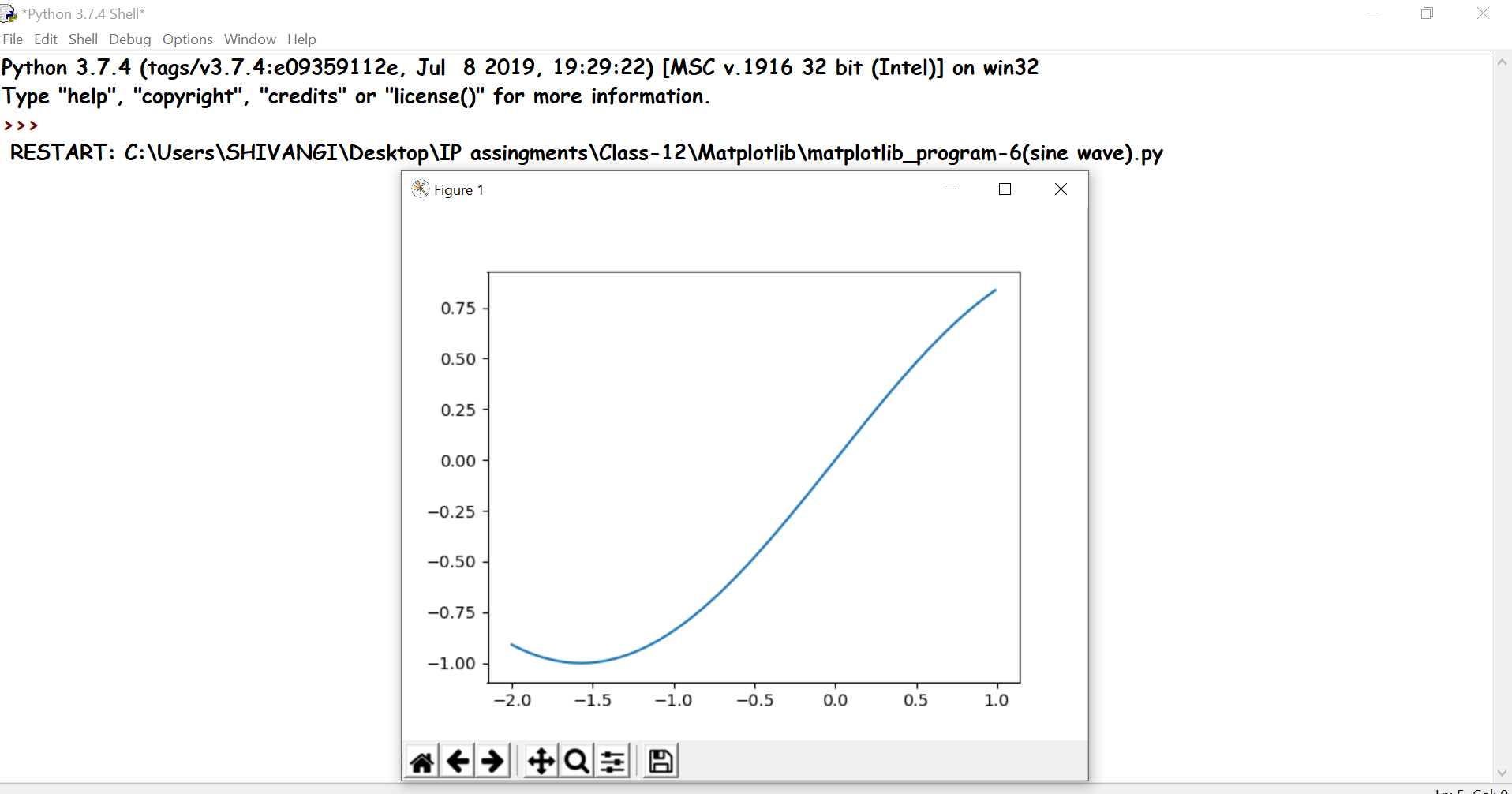
****

Ques5-Write a program to plot a sine wave.

**CODE**

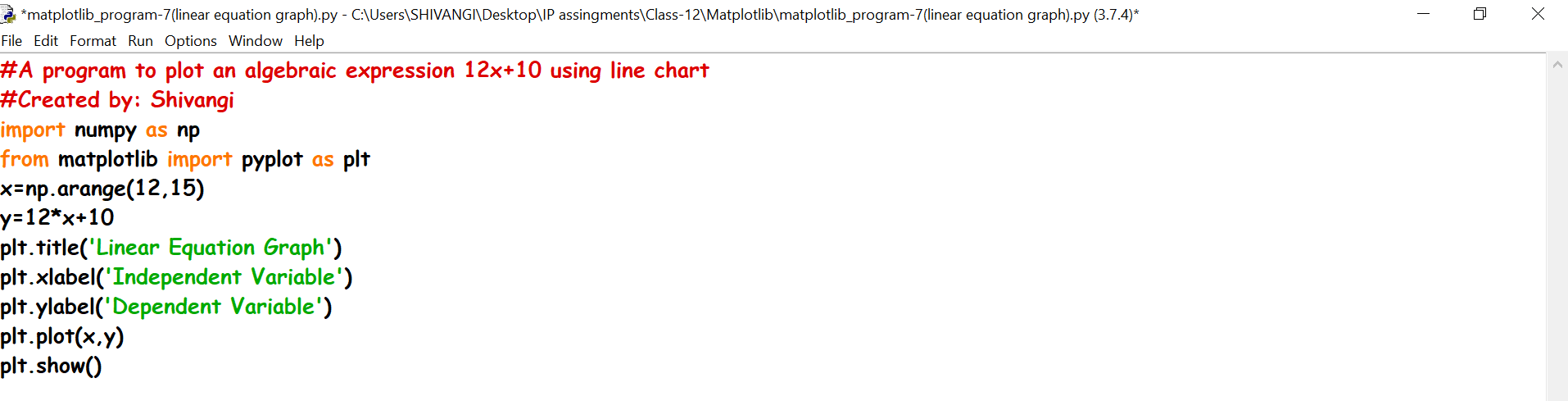
****

**OUTPUT**

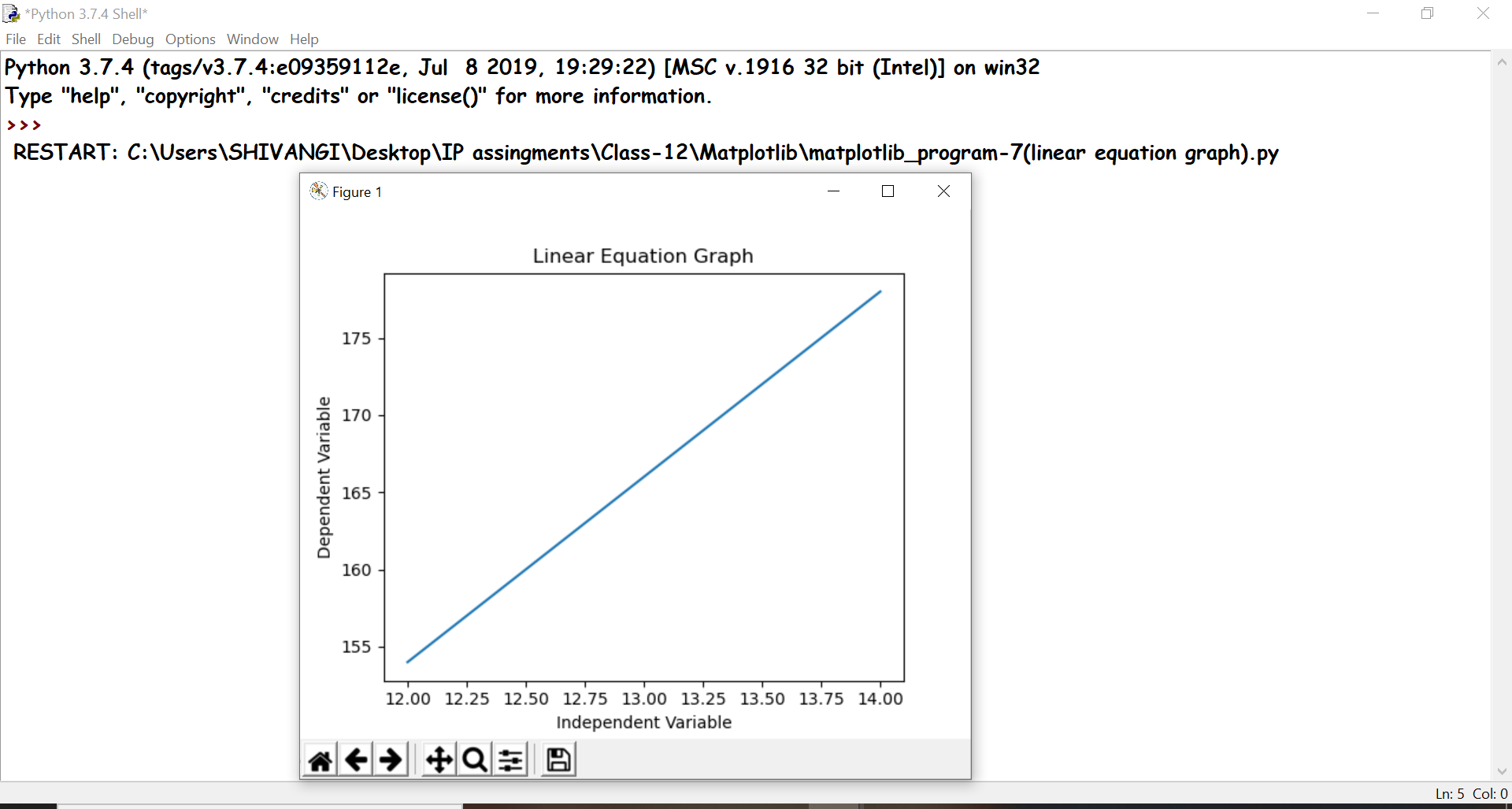
****

Ques6-Write a program to plot an algebraic expression 12x+10 using line chart.

**CODE**

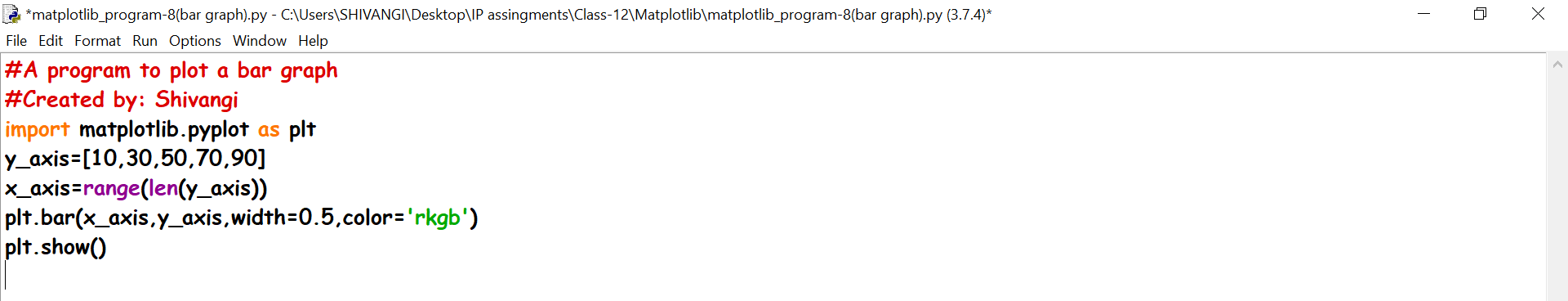
****

**OUTPUT**

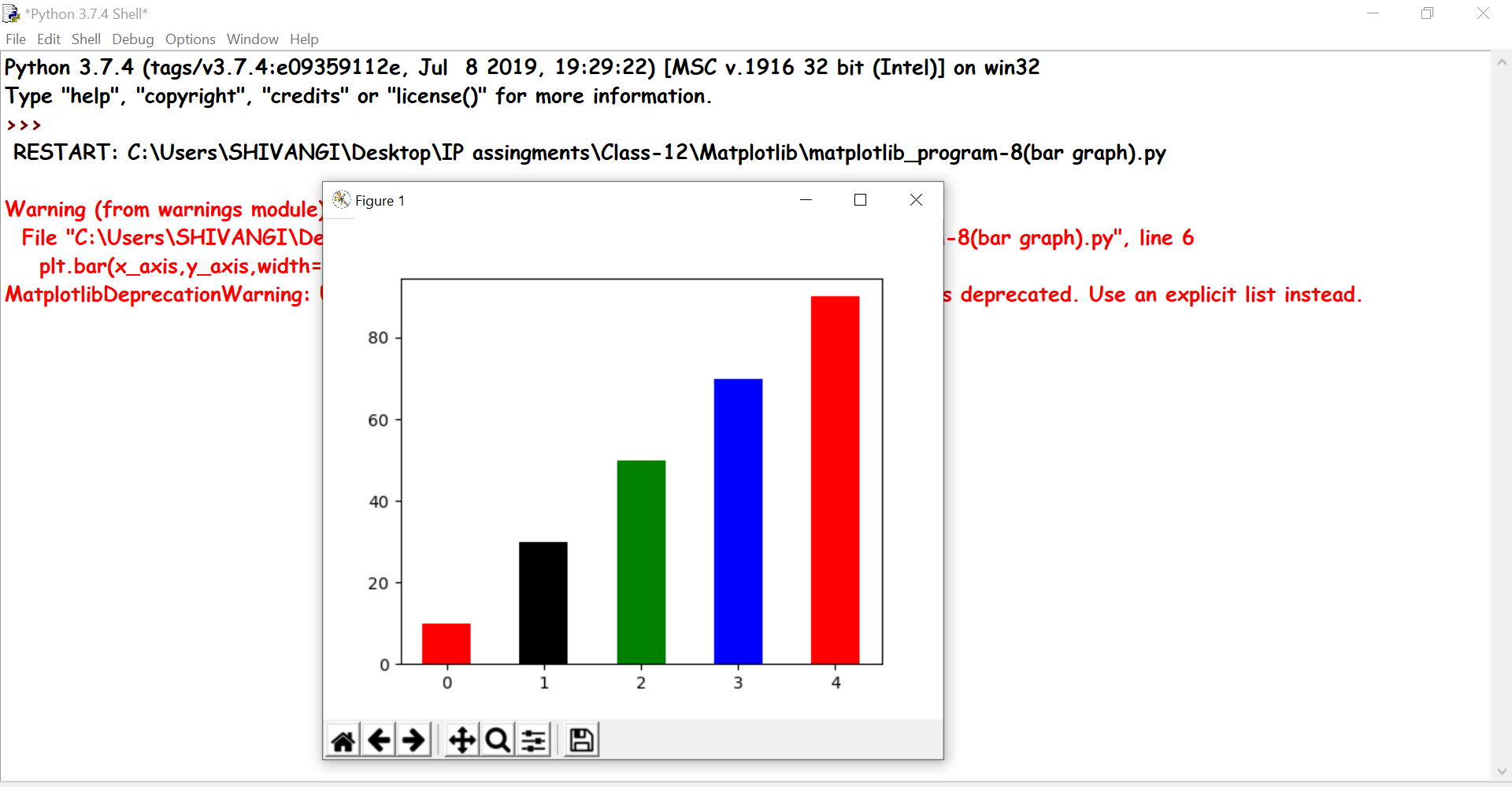
****

Ques7-Write a program to plot a bar graph.

**CODE**

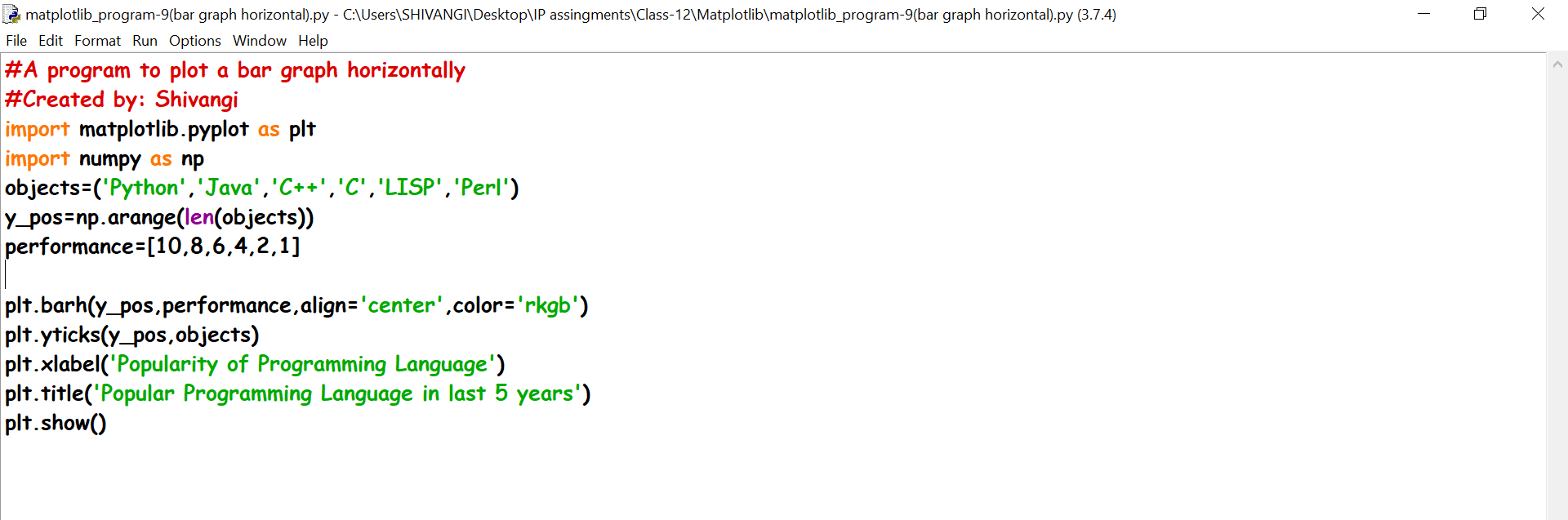
****

**OUTPUT**

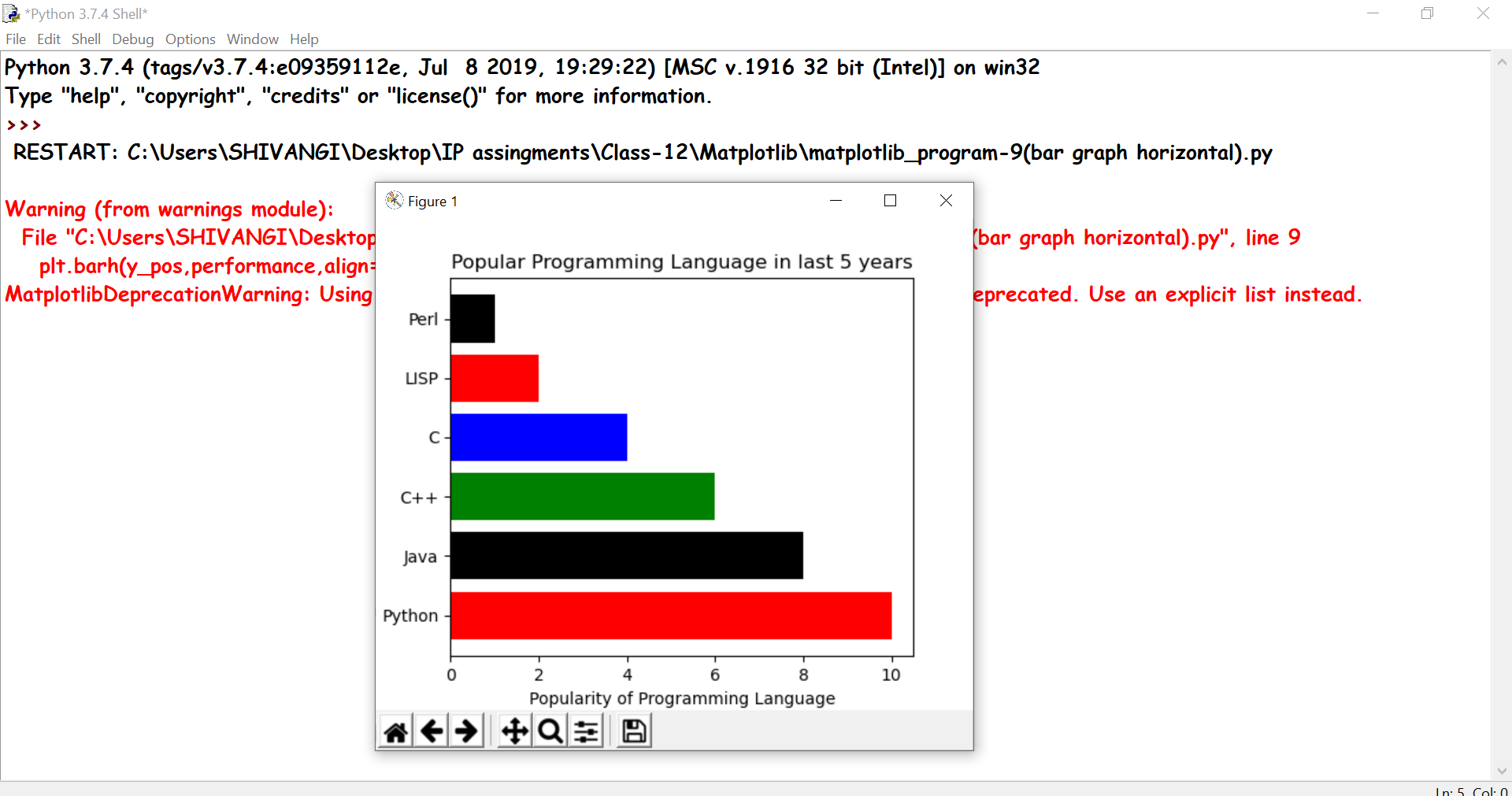
****

Ques8- Write a program to plot a bar graph horizontally.

**CODE**

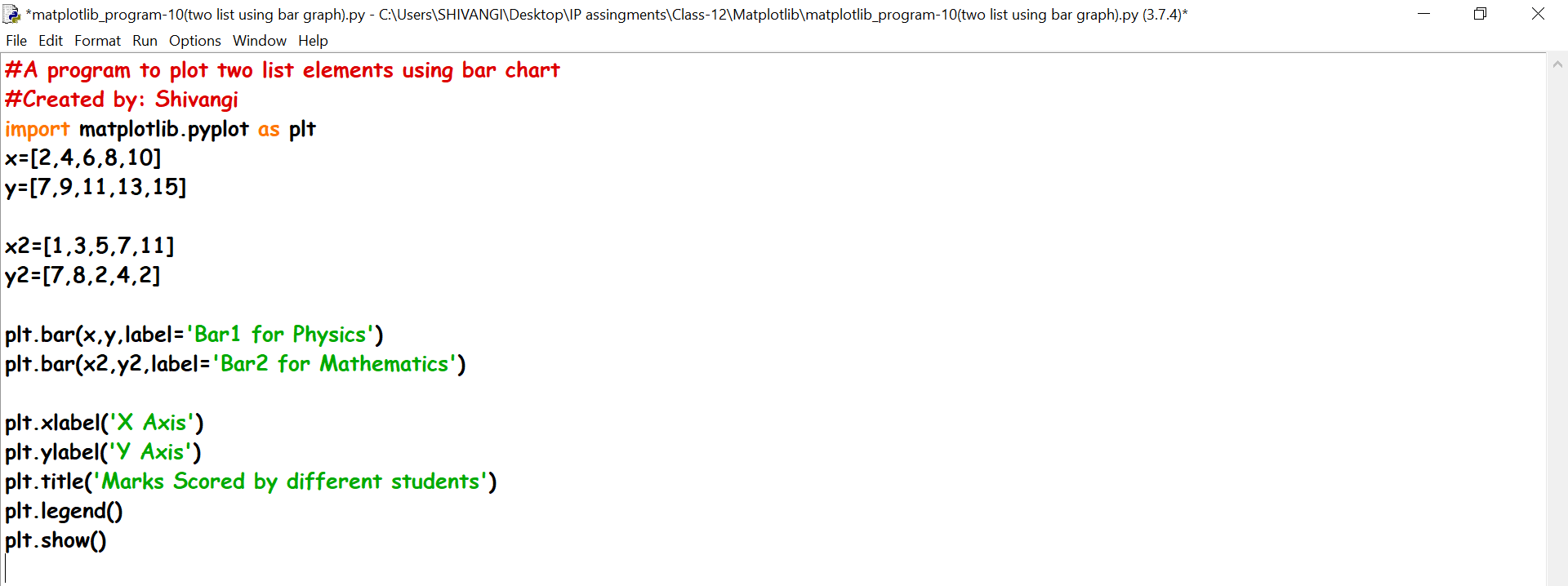
****

**OUTPUT**

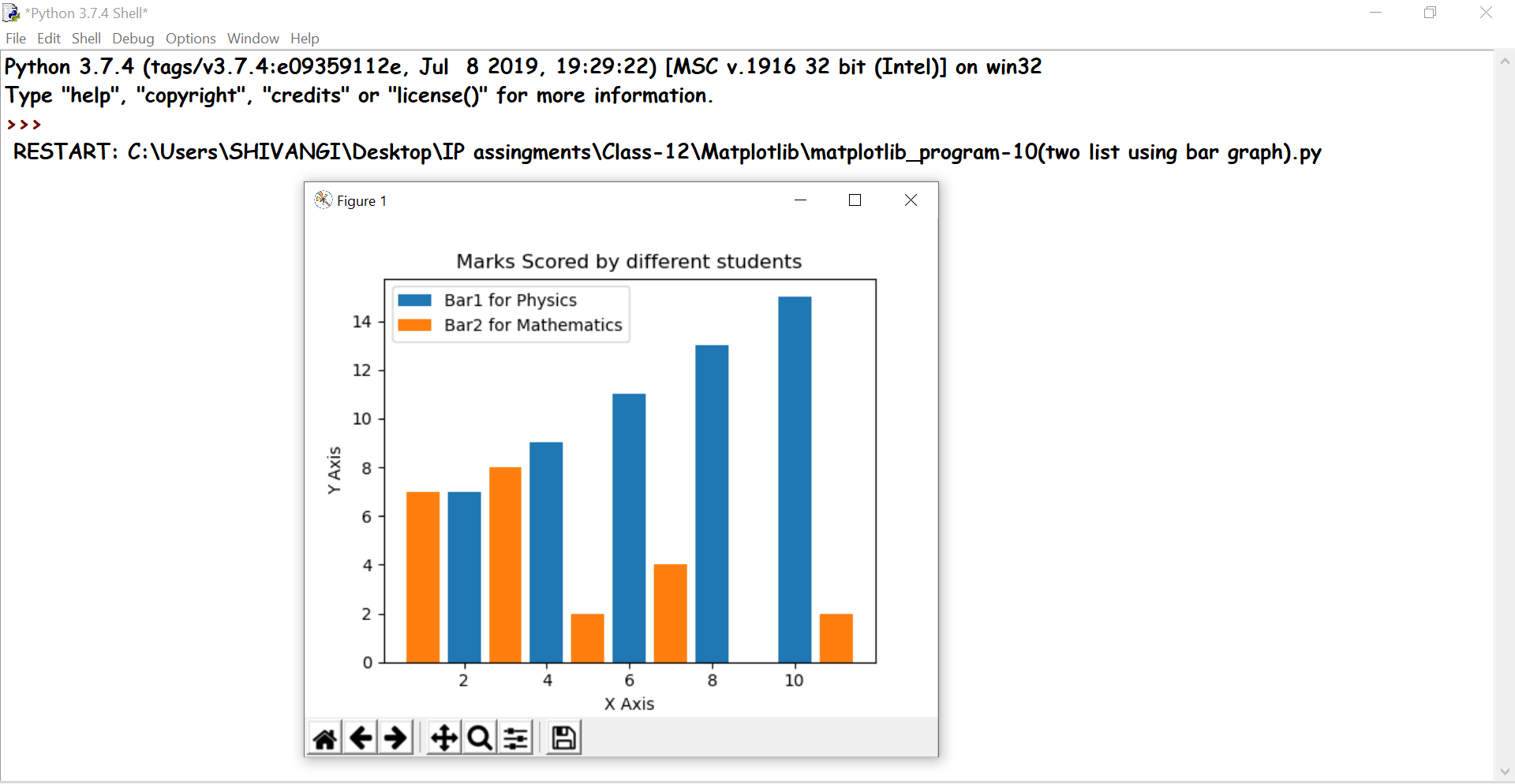
****

Ques9-Write a program to plot two list elements using bar chart.

**CODE**

****

**OUTPUT**

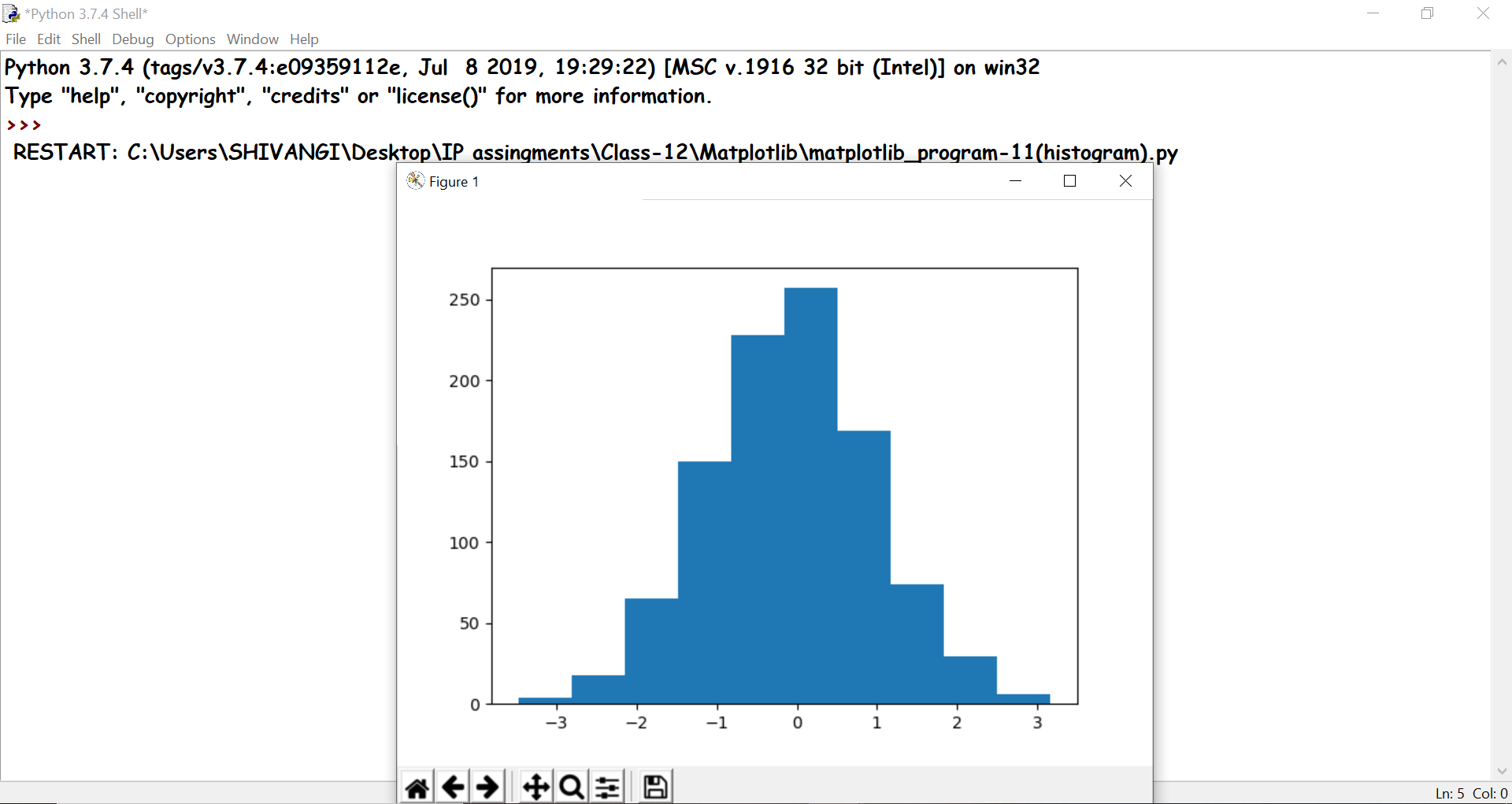
****

Ques10- Write a program to plot a simple histogram of random value.

**CODE**

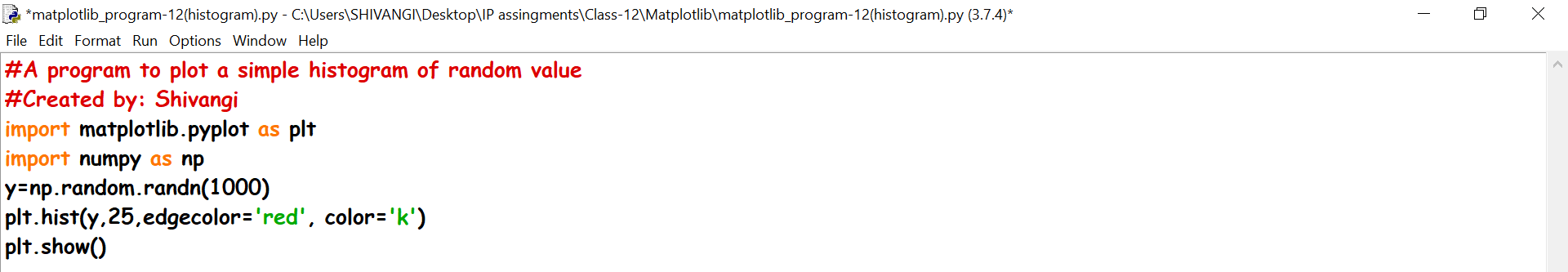
****

**OUTPUT**

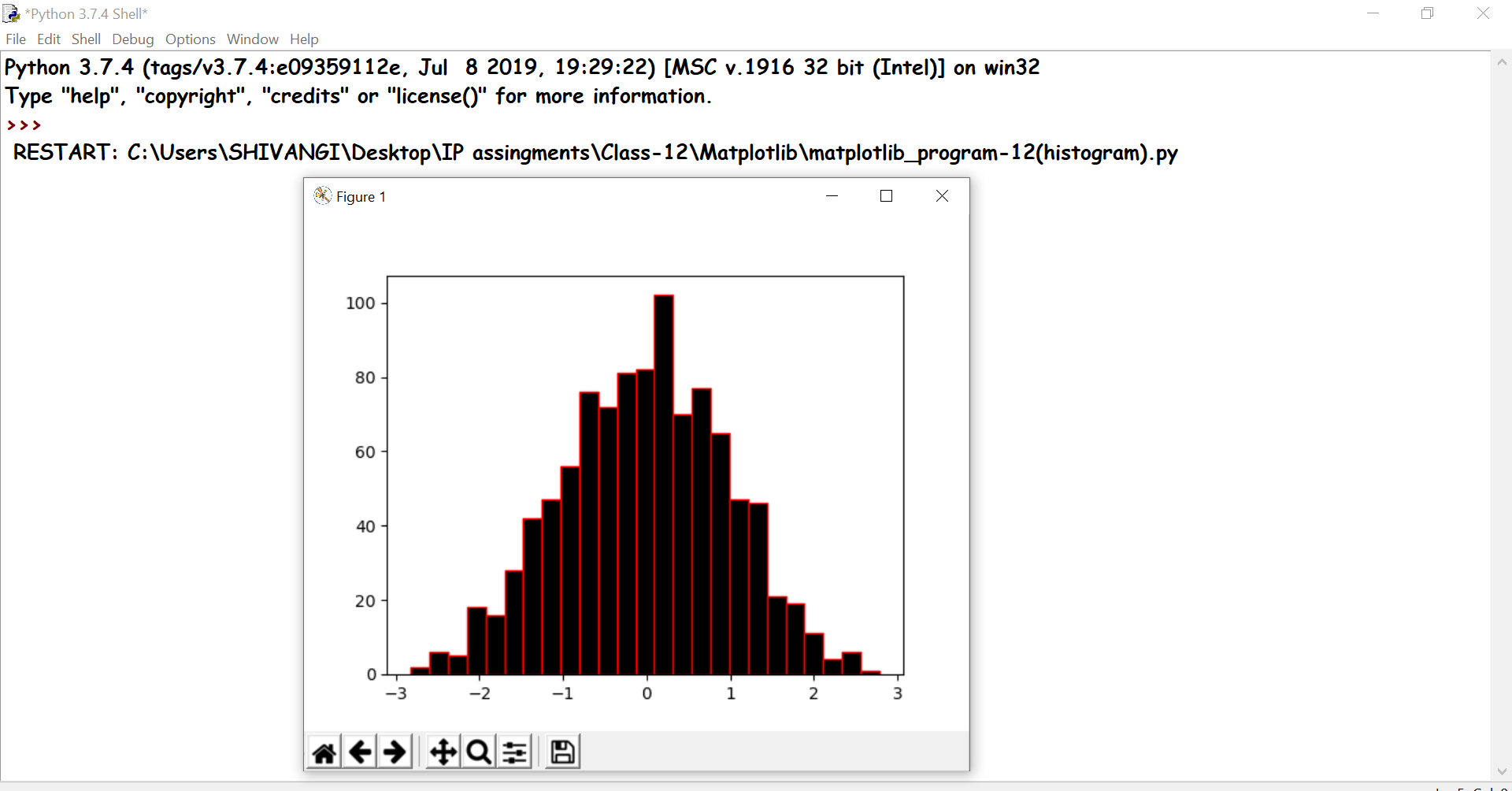
****

Ques11- Write a program to plot a simple histogram of random value.

**CODE**

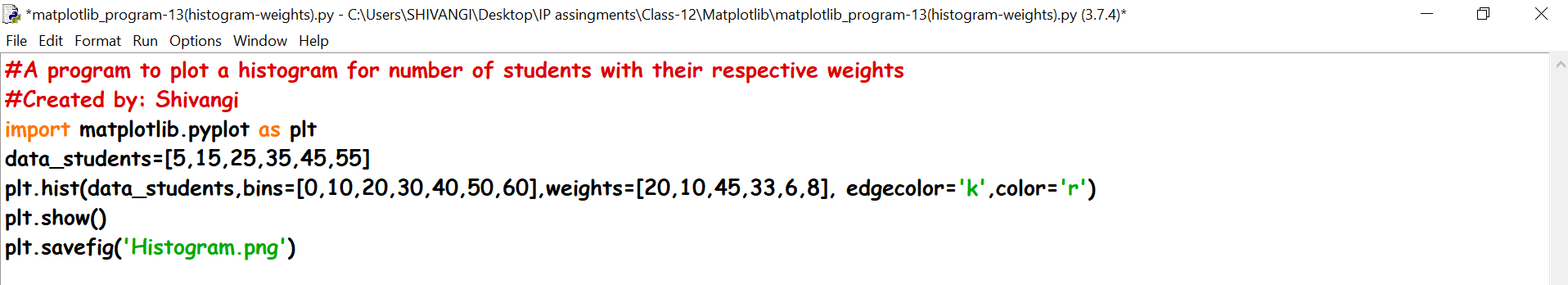
****

**OUTPUT**

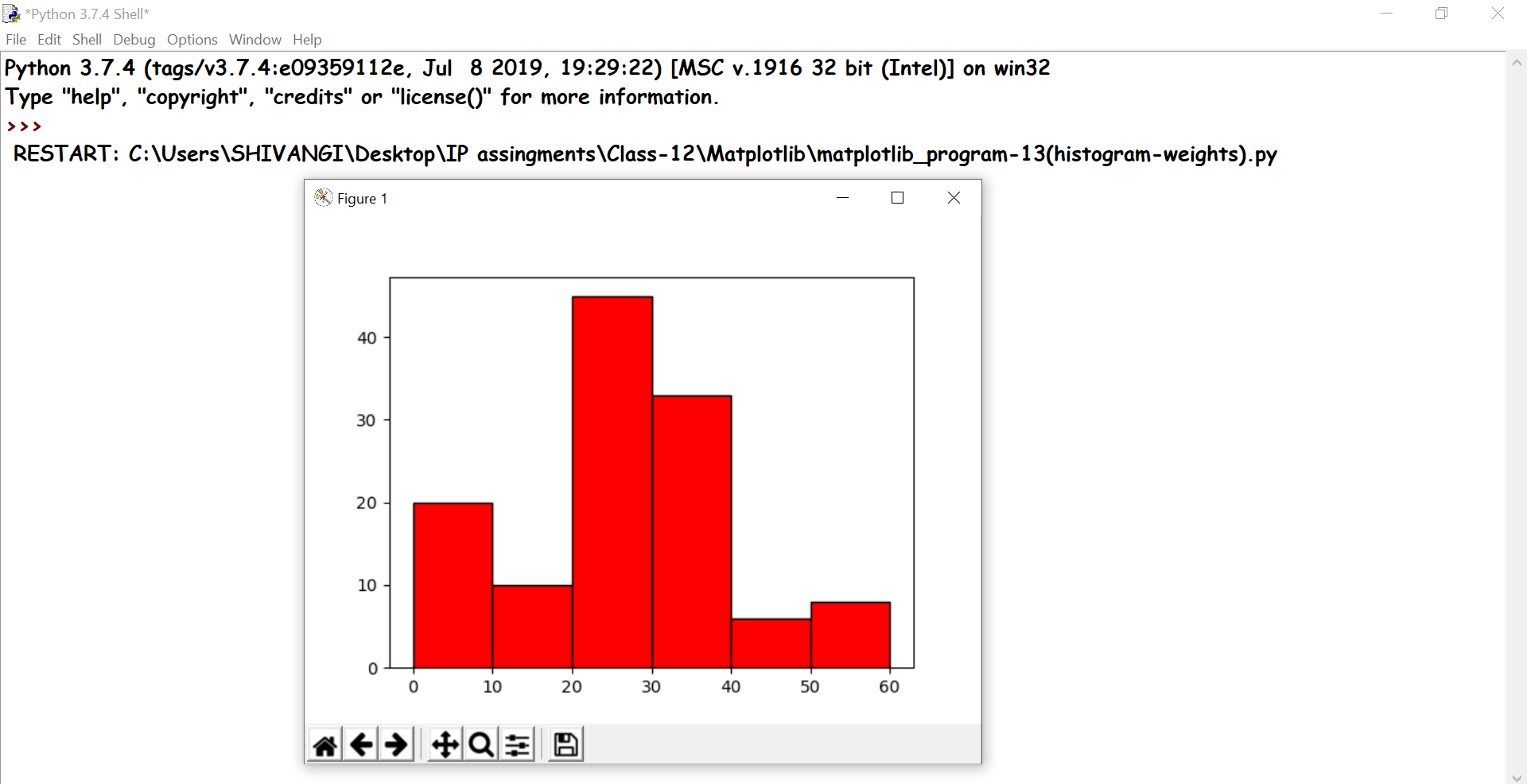
****

Ques12- Write a program to plot a histogram for number of students with their respective weights.

**CODE**

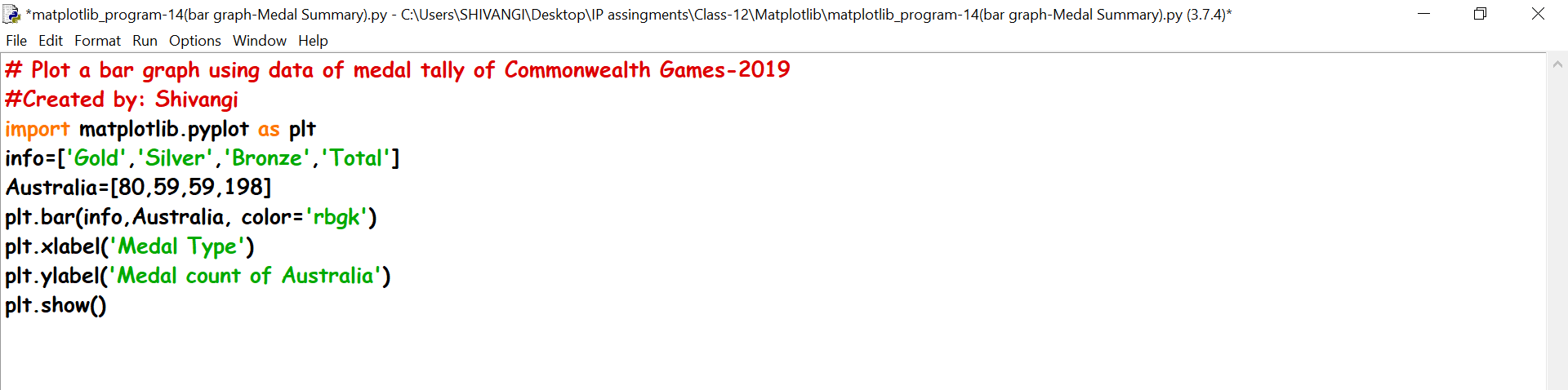
****

**OUTPUT**

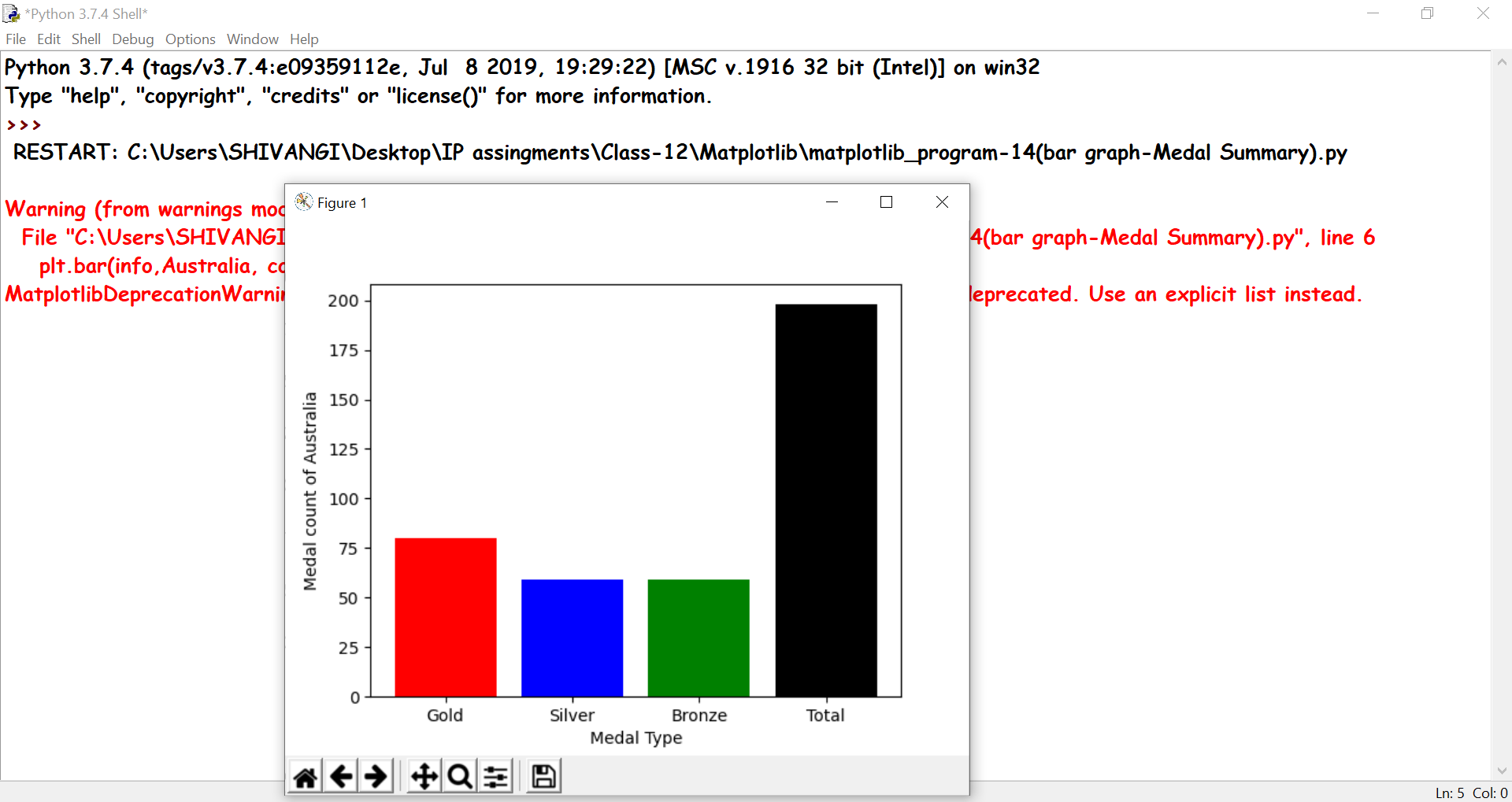
****

Ques13- Write a program to plot a bar graph using data of medal tally of Commonwealth Games-2019.

**CODE**

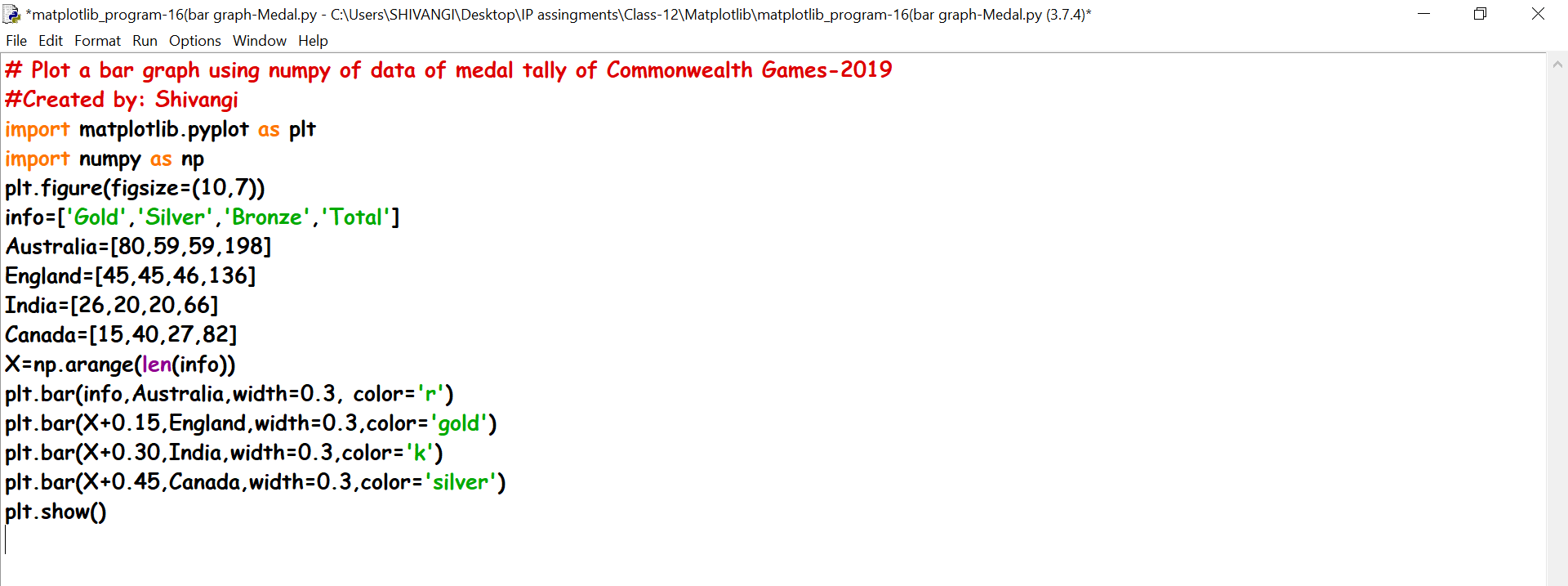
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**OUTPUT**

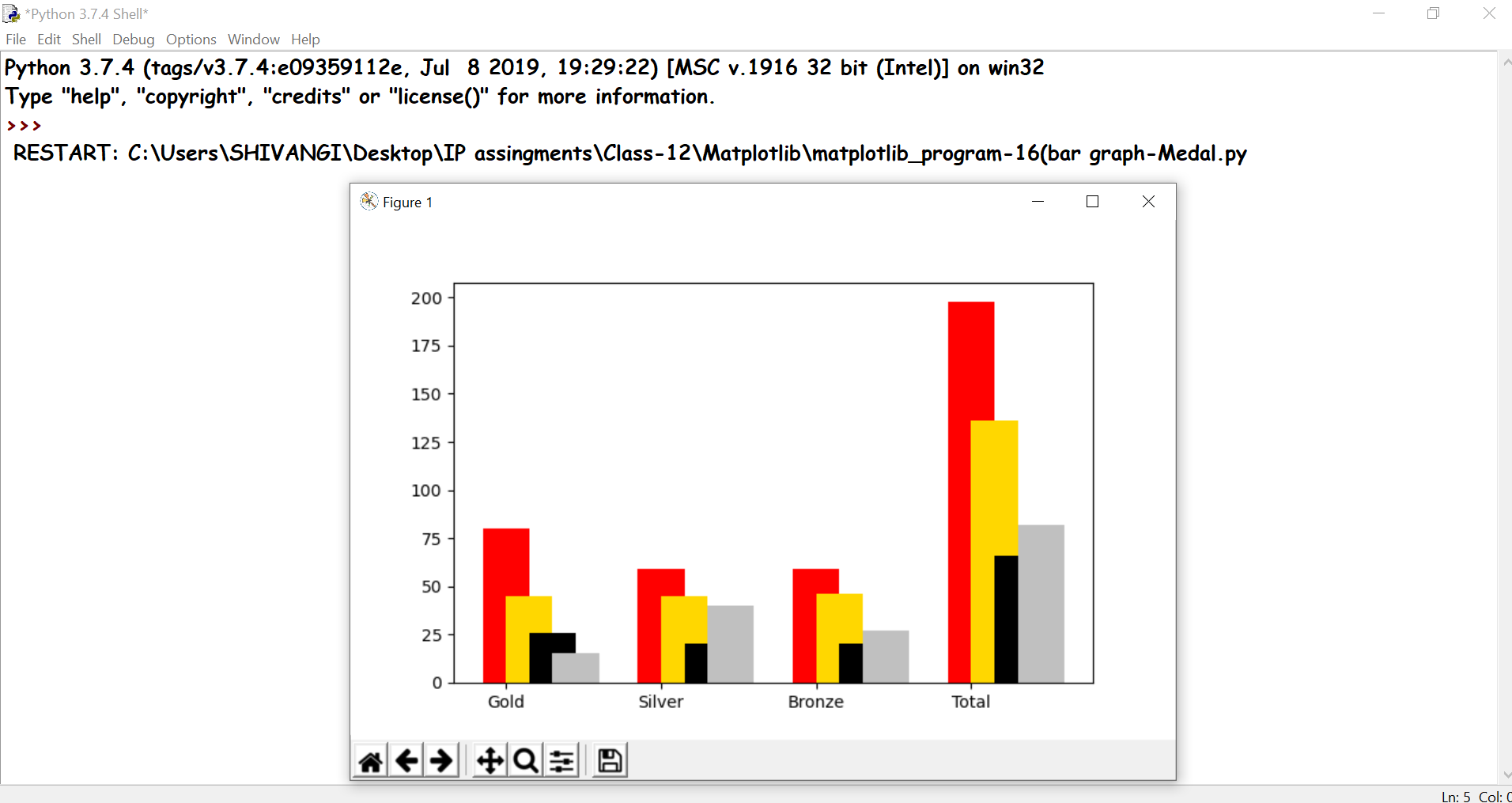
****

Ques14-Write a program to plot a bar graph using NumPy of data of medal tally of Commonwealth Games-2019.

**CODE**

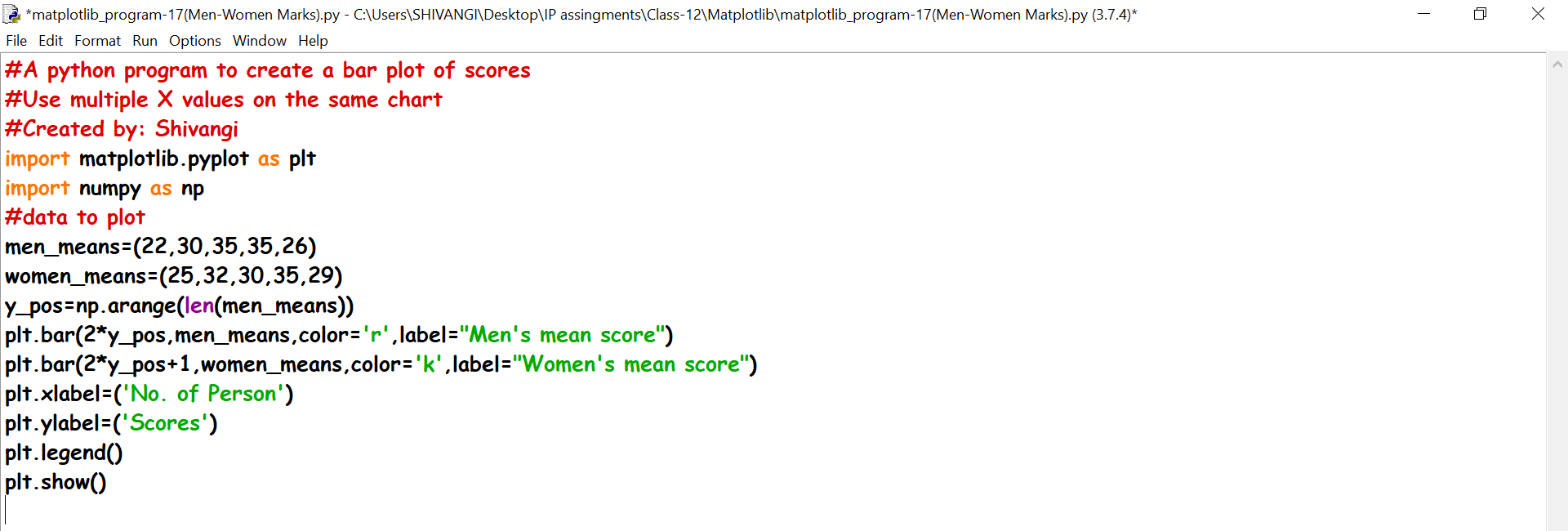
****

**OUTPUT**

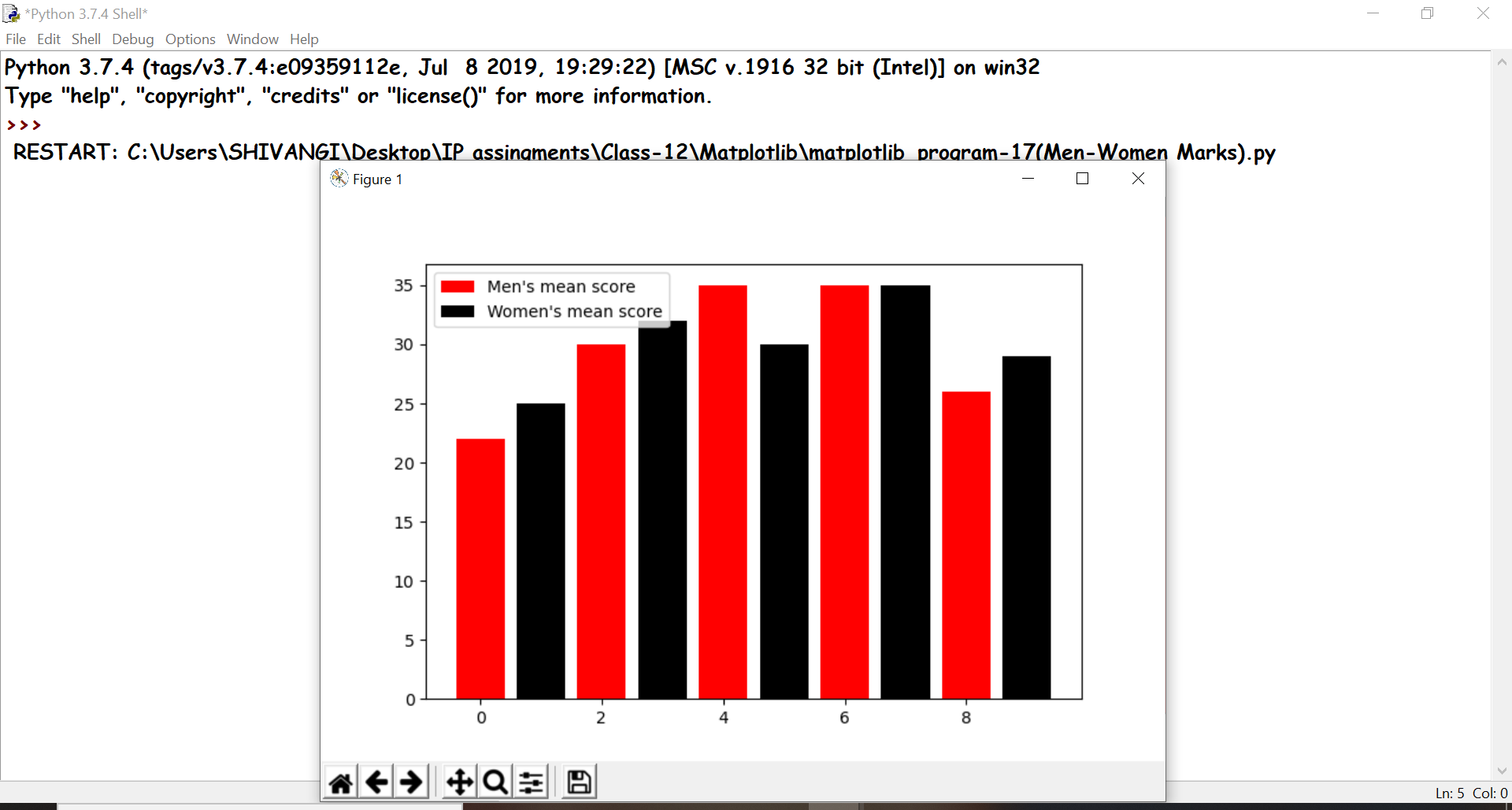
****

Ques15- Write a program to use multiple X values on the same chart.

**CODE**

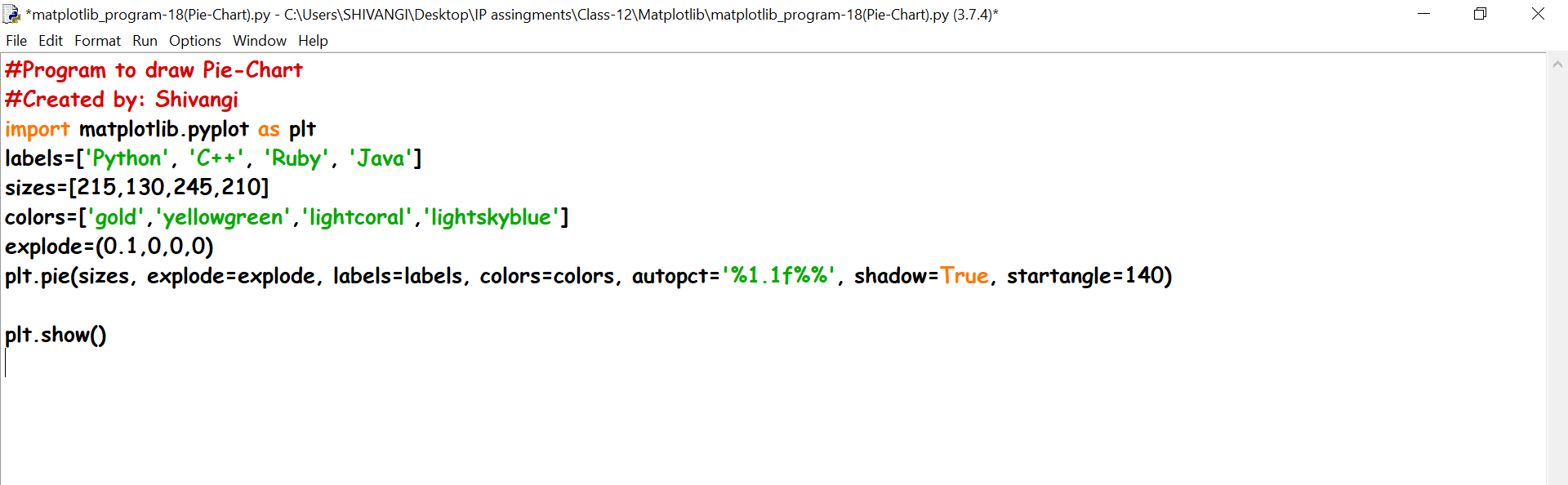
****

**OUTPUT**

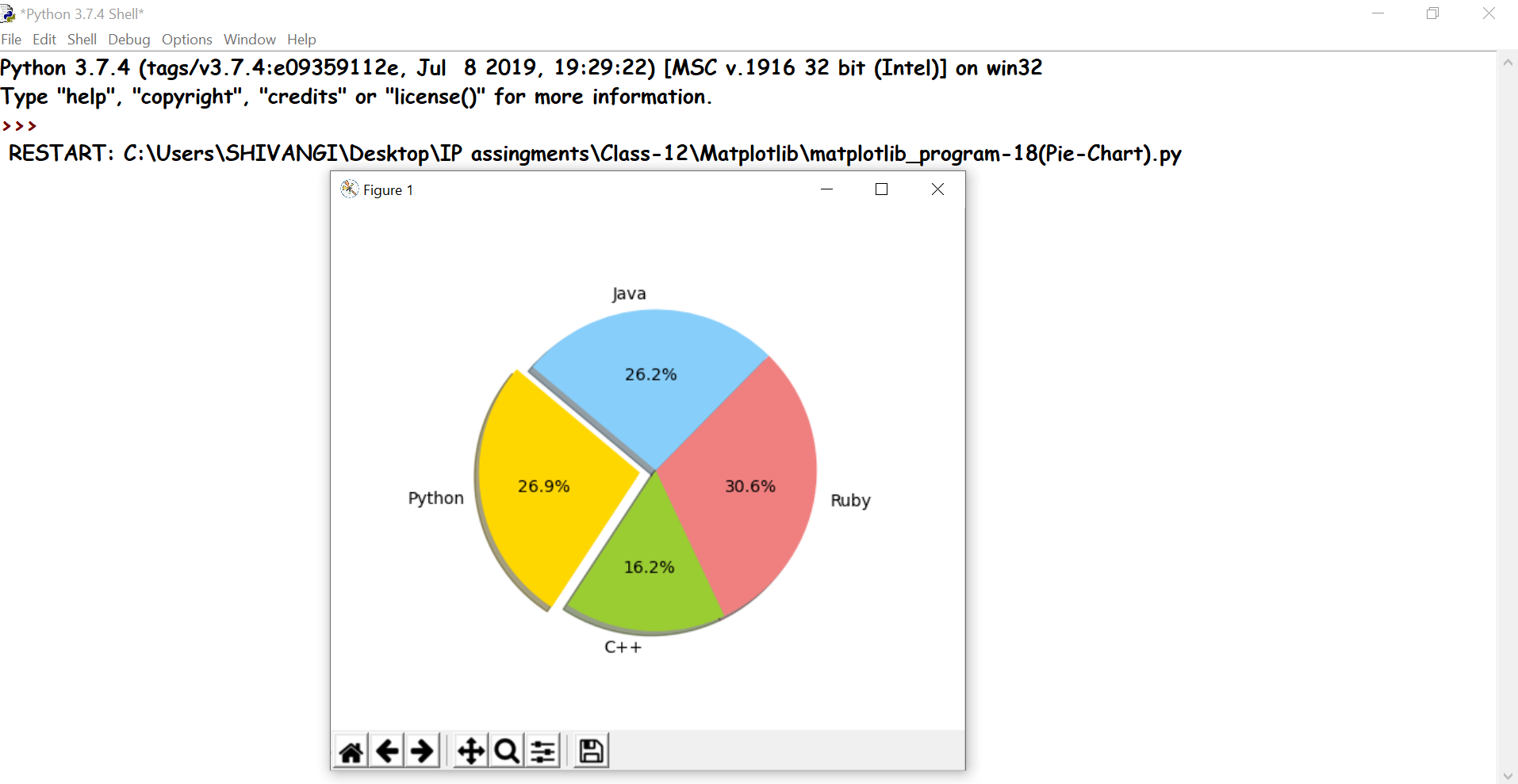
****

Ques16- Write a program to draw Pie-Chart.

**CODE**

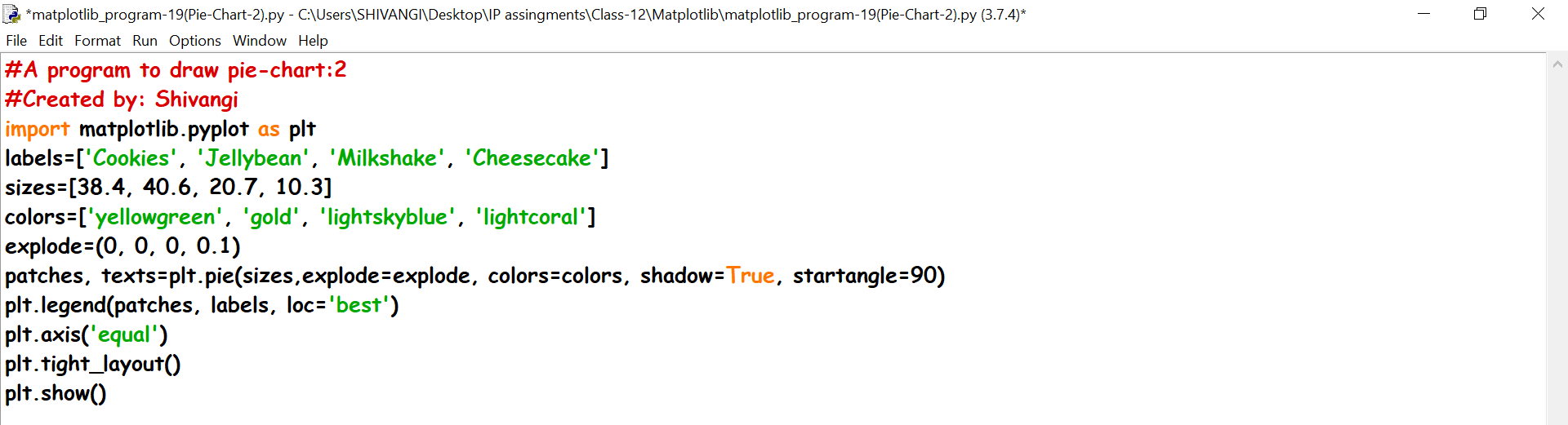
****

**OUTPUT**

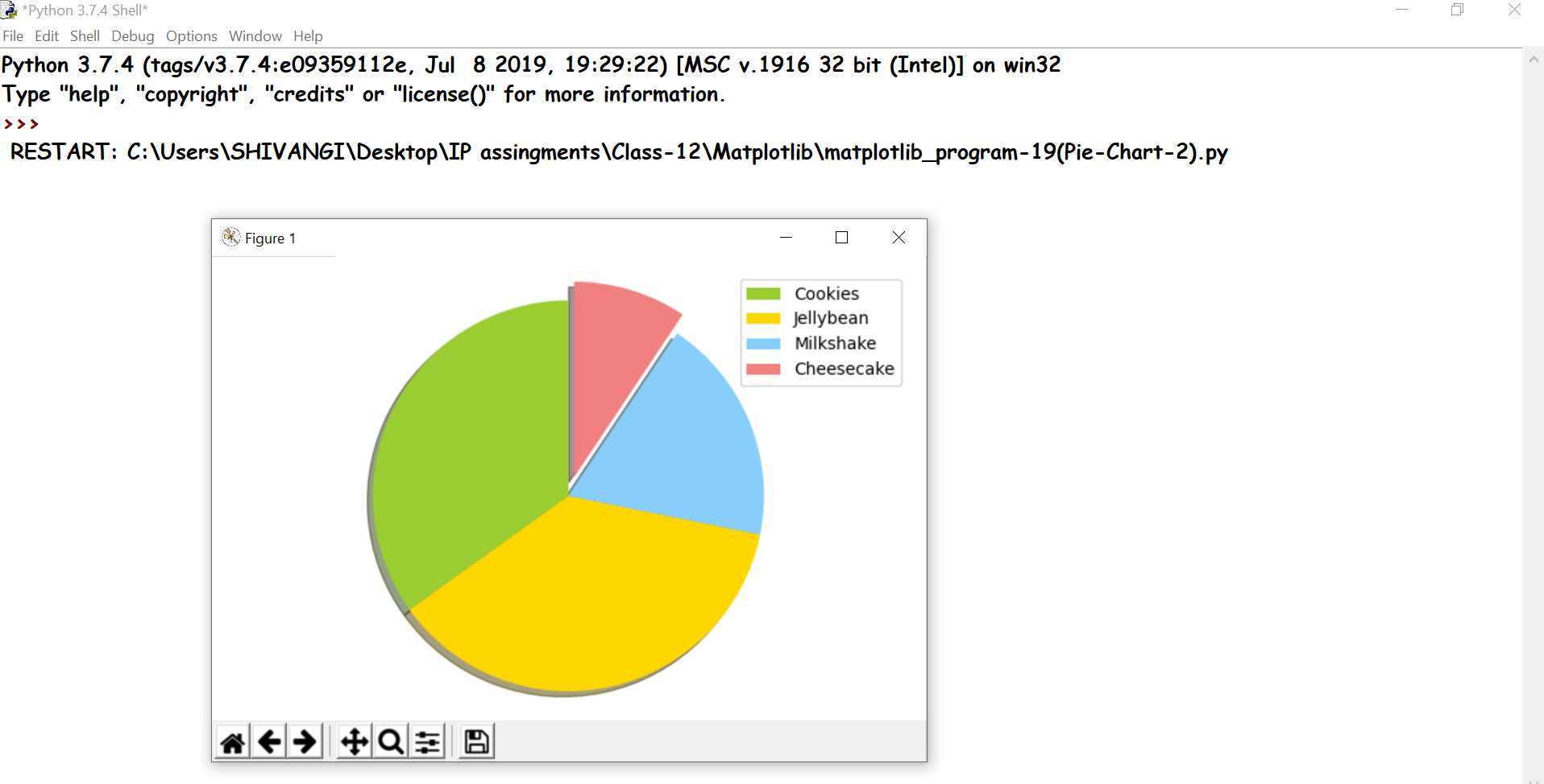
****

Ques17- Write program to draw pie-chart:2.

**CODE**

****

**OUTPUT**

****