

PyPlot

Q1. Mr. Jhon wants to plot a bar graph for the given set of values of subject on x-axis and number of students who opted for that subject on y-axis. Complete the code to perform the following:

(i) To plot the bar graph in statement 1

(ii) To display the graph in statement 2

```
import matplotlib.pyplot as plt
```

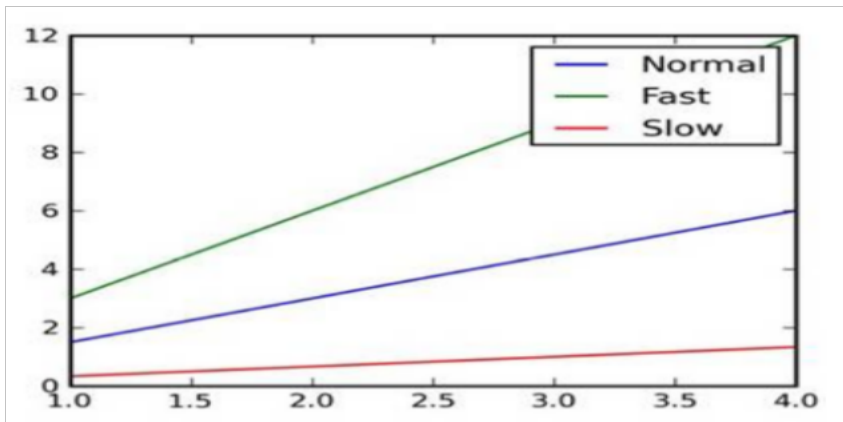
```
x=['Hindi', 'English', 'Science', 'SST']
```

```
y=[10,20,30,40]
```

_____ Statement 1

_____ Statement 2

Q2. Write a code to plot the speed of a ball as shown in the figure given below:



Q3. Depict the relationship between unemployment rate and stock index price through a **scatter chart**.

Unemployment_rate	Stk_index_price
6.1	1500
5.8	1520
5.7	1525
5.7	1523
5.8	1515
5.6	1540
5.5	1545
5.3	1560

5.2	1555
5.2	1565

Q4. WAP in python to display a **horizontal bar chart** of the number of students in a class.

Class:	I	II	III	IV	V	VI	VII	VIII	IX	X
Strengths:	40	43	45	47	49	38	50	37	43	39