# Rollwala Computer Center Introduction to Python Programing

Assignment 5

Name: Mer Sagar B.

Roll No: 21

**Course: Master of Computer Application** 

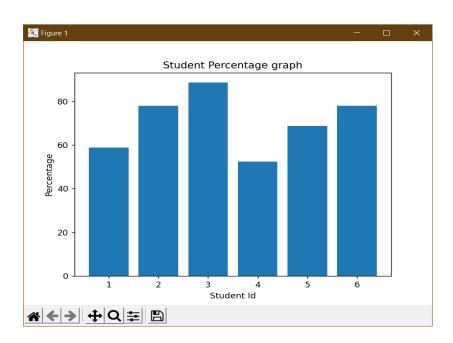
Semester: 1st



1. Write a program to display student information like ID on x- axis and percentage on y-axis in the form of bar graph.

1.1.1

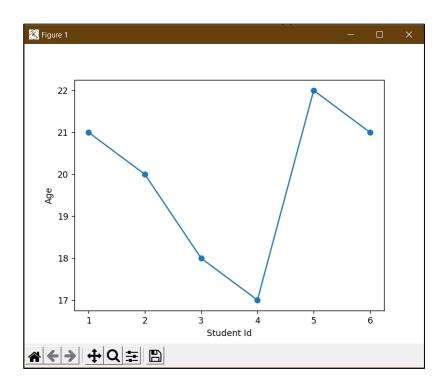
1. Write a program to display student information like ID on x-axis and percentage on y-axis in the form of bar graph.



### 2. Write a program to display student information like ID on x- axis and Age on y-axis in the form of line graph.

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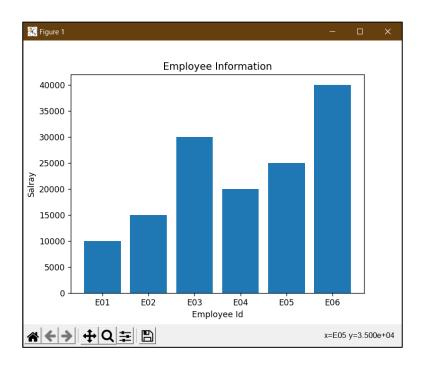
2. Write a program to display student information like ID on x-axis and Age on y-axis in the form of line graph.



# 3. Write a program to display employee information like ID on x-axis and salary on y-axis in the form of bar graph.

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3. Write a program to display employee information like ID on x-axis and salary on y-axis in the form of bar graph.

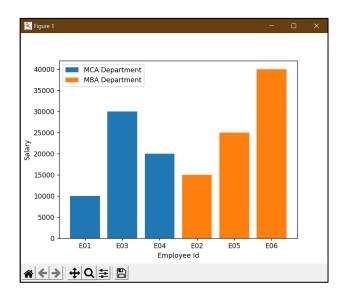


4. Write a program to display employee information like ID on x-axis and salary on y-axis in the form of bar graph for two or more departments.

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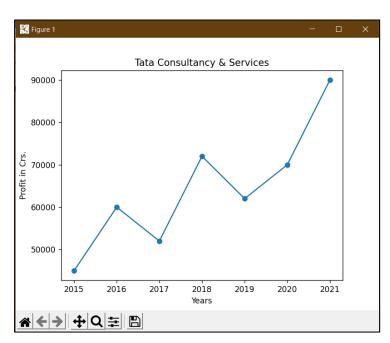
4. Write a program to display employee information like ID on x-axis and salary on y-axis in the form of bar graph for two or more departments.

```
Name : Mer Sagar
                         Roll No.: 21
Class : MCA sem-1
                         Year : 2021-22
import matplotlib.pyplot as plt
import pandas as pd
df = pd.read csv("information.csv")
# read data from csv
specified1 = df.loc[df['dept'] == 'MCA']
x1 = specified1['eid']
y1 = specified1['salary']
specified2 = df.loc[df['dept'] == 'MBA']
x2 = specified2['eid']
y2 = specified2['salary']
plt.xlabel("Employee Id")
plt.ylabel("Salary")
plt.bar(x1, y1,label = "MCA Department")
plt.bar(x2, y2,label = "MBA Department")
# plt.bar(x,y)
plt.legend()
plt.show()
```



## 5. Write a program to create a line graph to show the profit of a company in various years.

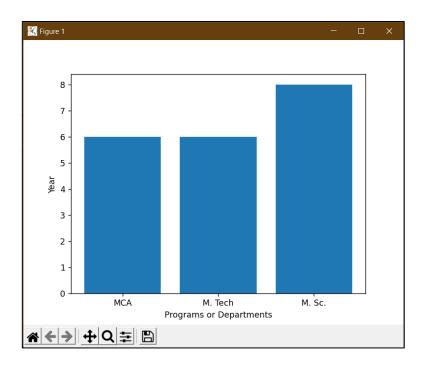
```
Write a program to create a line graph to show the profit of a
    company in various years.
Name : Mer Sagar
                        Roll No.: 21
Class : MCA sem-1
                       Year : 2021-22
import matplotlib.pyplot as plt
import pandas as pd
df = pd.read_csv("TCS.csv")
x= df["Year"]
y=df["Profit"]
plt.title("Tata Consultancy & Services")
plt.xlabel("Years")
plt.ylabel("Profit in Crs.")
plt.plot(x,y)
plt.scatter(x, y)
plt.show()
```



6. Write a program to display student information of admission of last three using bar graph. You need to take last three year information for three programs like MCA, M.Tech and M.Sc.

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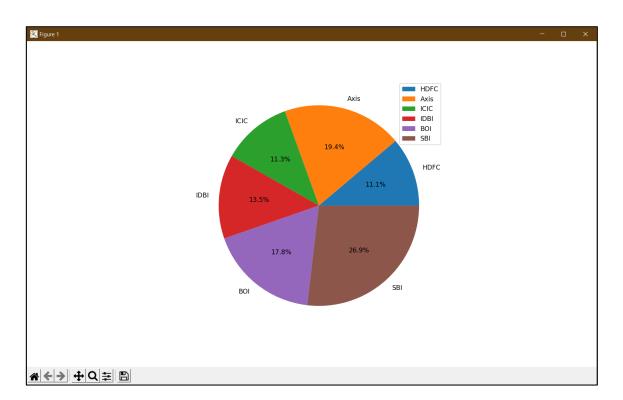
6. Write a program to display student information of admission of last three using bar graph. You need to take last three year information for three programs like MCA, M.Tech and M.Sc.



### 7. Write a program to display a pie chart for number of bank accounts opened by five various bank in last five days.

1.1.1

7. Write a program to display a pie chart for number of bank accounts opened by five various bank in last five days.



8. Write a program to display a pie chart for how many no of students take admission in different four courses at department. Courses like: MCA, PGDCSA, M.Sc.(Al&ML), M.Tech, etc.

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