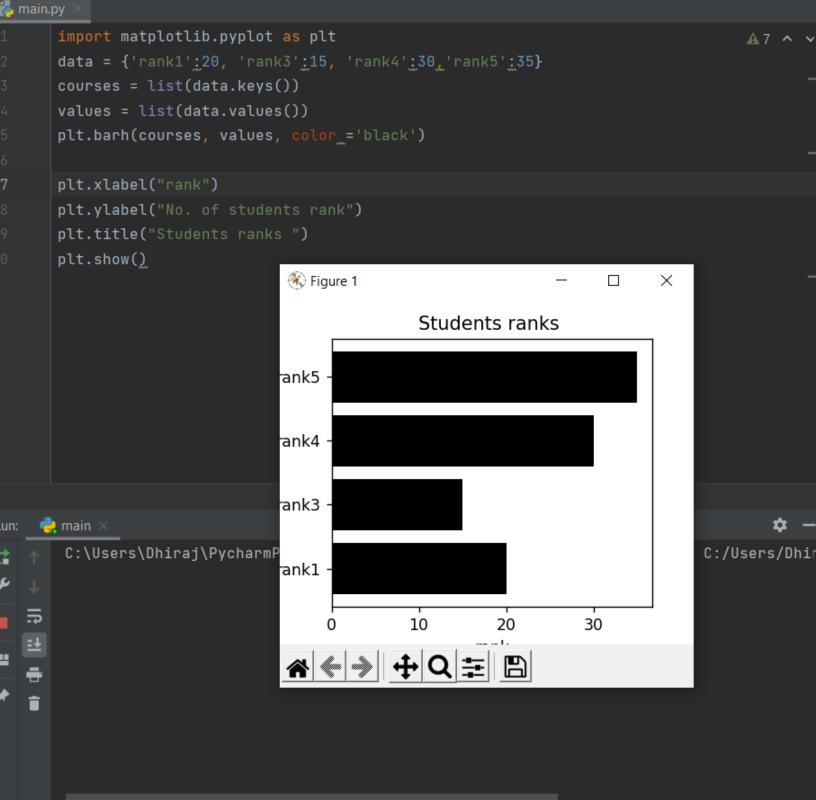
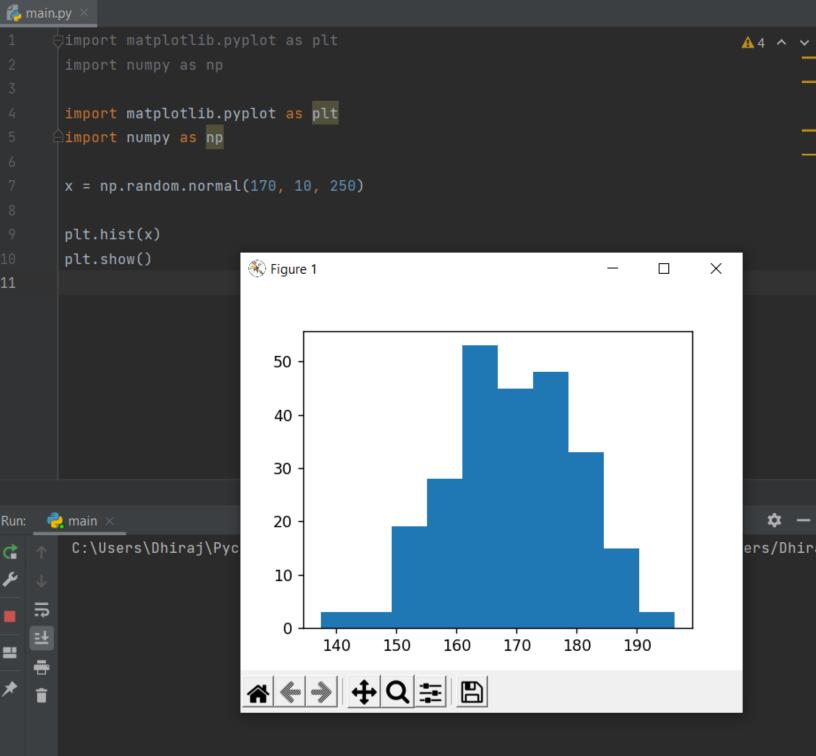
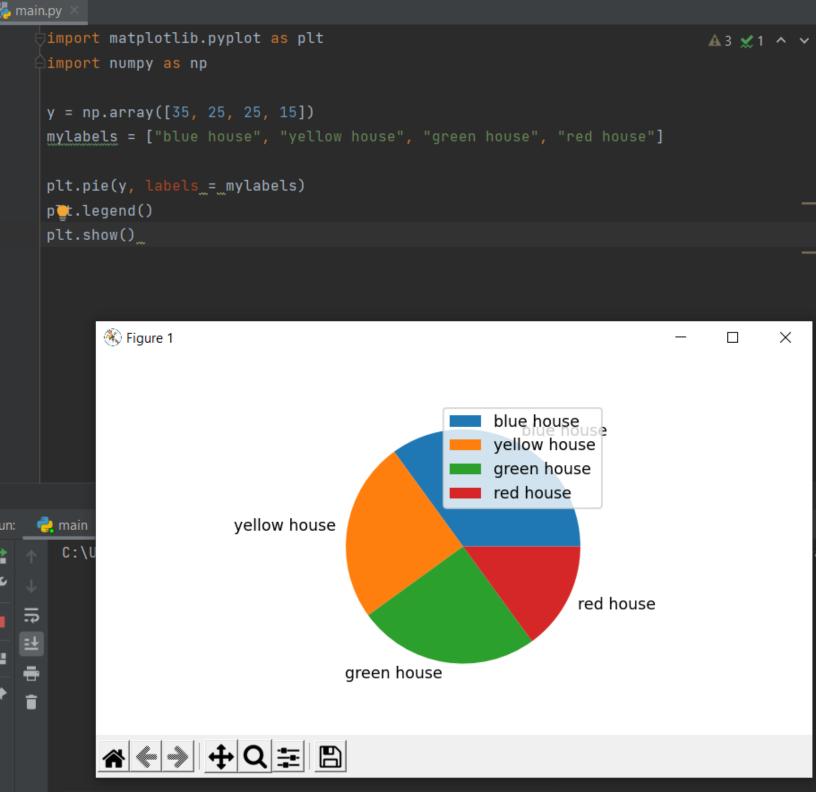


```
main.py
    import matplotlib.pyplot as plt
    data = {'C':20, 'C++':15, 'Java':30, 'Python':35}
    courses = list(data.keys())
    values = list(data.values())
    plt.bar(courses, values, color_='maroon')
    plt.xlabel("Courses offered")
    plt.ylabel("No. of students enrolled")
    plt.title("Students enrolled in different courses")
    plt.show()
                              Rigure 1
                                                                        X
                                   Students enrolled in different courses
                                35
                             of students enrolled
                                30
                                25
                                20
                                15
  🦺 main 🗵
                                10
     C:\Users\Dhiraj\Pychar
                                                                                    /Users/Dhira
                                 5
                                 0
=
                                                 C++
                                                                    Python
                                                           Java
```

```
🛵 main.py
       import matplotlib.pyplot as plt
       data = {'C'::20, 'C++'::15, 'Java'::30, 'Python'::35}
       courses = list(data.keys())
       values = list(data.values())
       plt.bar(courses, values, width=0.4)
       plt.xlabel("Courses offered")
       plt.ylabel("No. of students enrolled")
       plt.title("Students enrolled in different courses")
       plt.show()
               N Figure 1
                                                                             Х
                                                                       Students enrolled in different courses
                   35
                   30
                No. of students enrolled
                   25
    렍 main
                   20
        C:\Use
                                                                                 exe C:/Users/[
                   15
                   10
                    5
                    0
                                       C++
                                                                  Python
                                                     Java
```

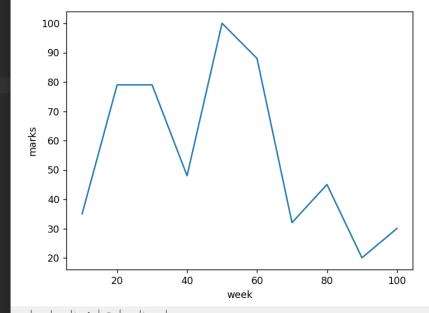






```
import matplotlib.pyplot as plt
week = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]
marks = [35, 79, 79, 48, 100, 88, 32, 45, 20, 30]
plt.plot(week_marks)
plt.xlabel('week')
plt.ylabel('marks')
plt.show()
```

ื main.py





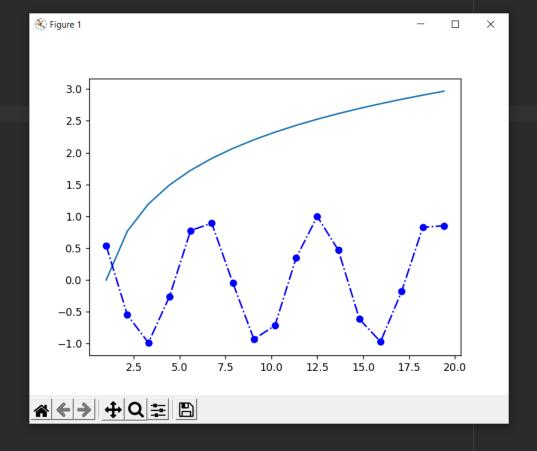


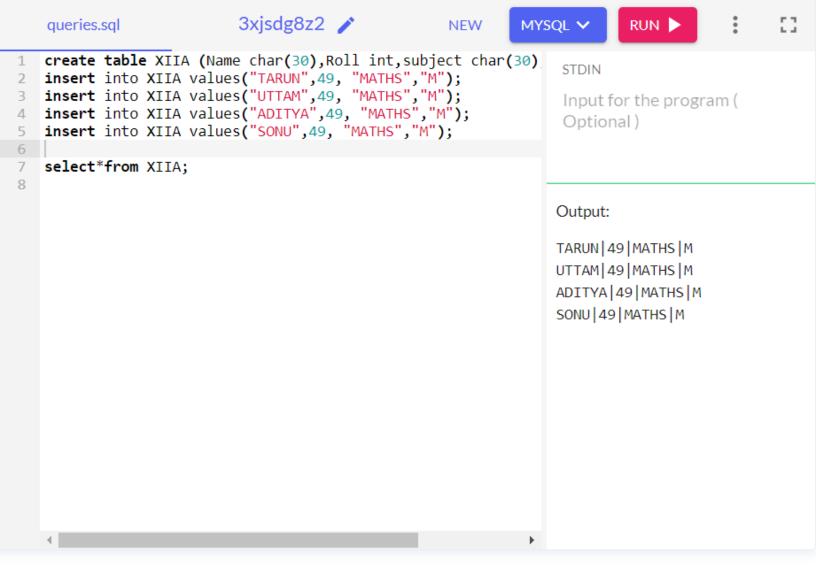






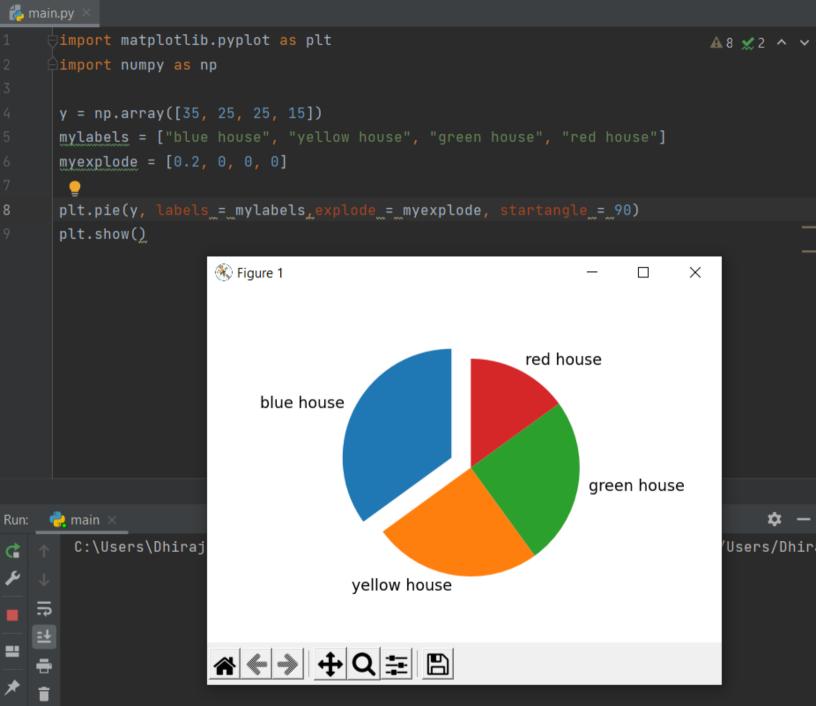
```
import numpy as np
import matplotlib.pyplot as plt
a = np.arange(1, 20, 1.15)
b = np.log(a)
c = np.cos(a)
plt.plot(a_b)
plt.plot(a_c_b'bo', linestyle_=_'dashdot')
plt.show()
```

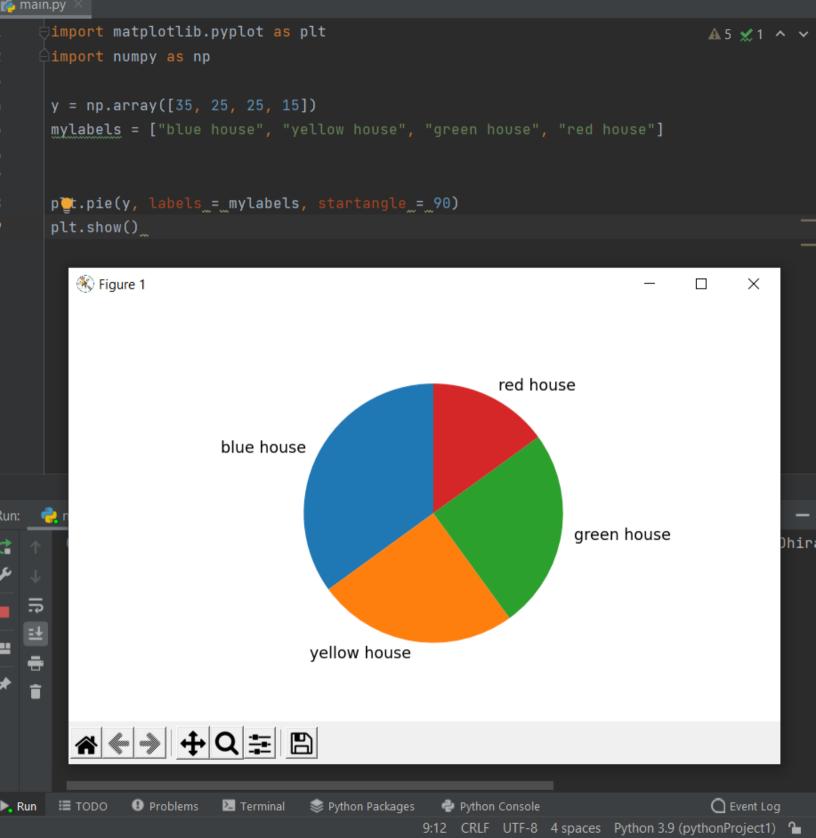


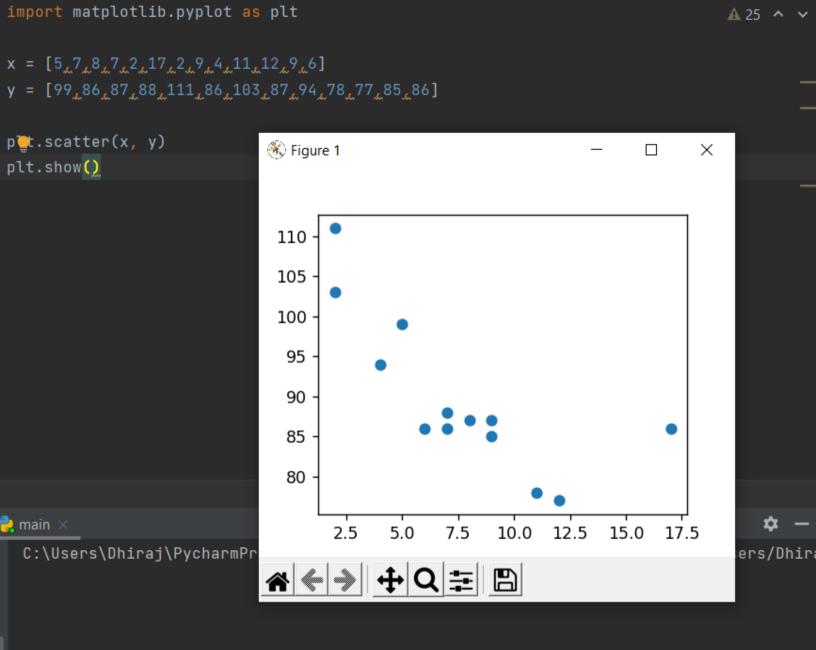


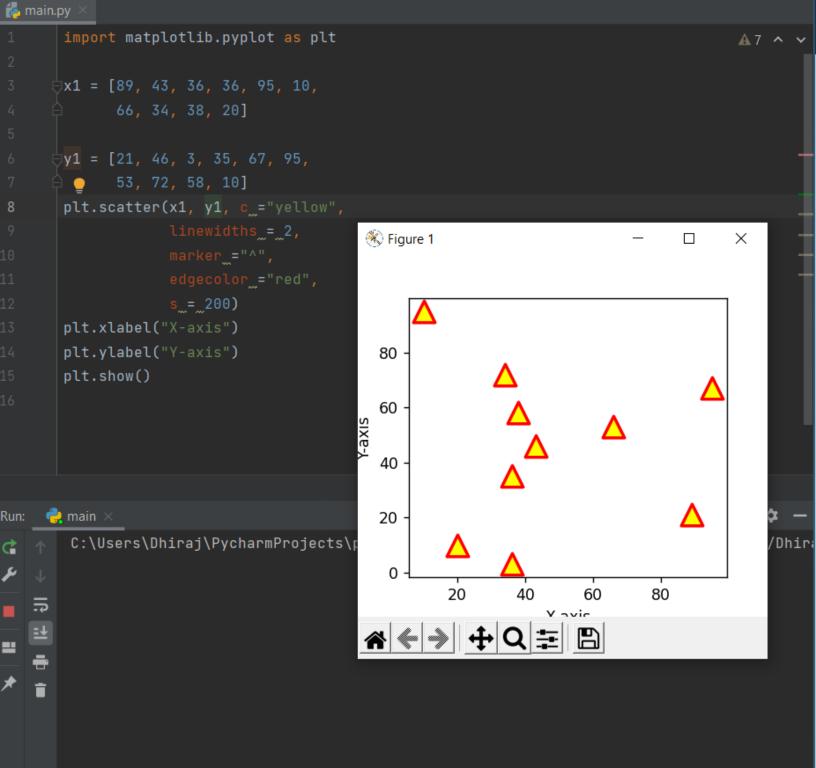
```
Virat Kohli
                                                                      pythonProject1 - main.py
Rohit Sharma
                                                                       pythonProject1 > & main.py
Shikhar Dhawan 2378 2295 2378 2378
                                                                      the main.py
                                                                              import pandas as pd
                                                                                                                                                             A 33 ★ 12 ^ ¥
                                                                             def df_operations():
Name: Virat Kohli, dtype: int64
                                                                                  df=pd.DataFrame(sc_4yrs)
                                                                                  print(df)
Name: Rohit Sharma, dtype: int64
                                                                              df_operations()
Name: Shikhar Dhawan, dtype: int64
Process finished with exit code 0
                                                                      PEP 8: E305 expected 2 blank lines after class or function definitio 12:16 CRLF UTF-8 4 spaces Python 3.9 (pythonProject1) 🧣
```

C:\Users\Dhiraj\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:/Users/Dhiraj/PycharmProjects/pythonProject1/main.py









```
main.py
    import pandas as pd
    Population = pd.Series([10927854,8541254,7584264,78451365],
     index =['Delhi','Mumbai','Kolkata','Chennai'])
    AvgIncome = pd.Series([48547596452,74984684685,4875956812,58422695485],
    index = ['Delhi', 'Mumbai', 'Kolkata', 'Chennai'])
    percapita = AvgIncome/Population
     print("population in four metro cities")
    print(Population)
     print("Avg.Income in four metro cities")
10
    print(AvgIncome)
    print('Percapita income in four merto cities')
11
    print(percapita)
12
```

```
population in four metro cities
Delhi 10927854
Mumbai 8541254
Kolkata 7584264
Chennai 78451365
dtype: int64
Avg. Income in four metro cities
Delhi 48547596452
Mumbai 74984684685
Kolkata 4875956812
Chennai 58422695485
dtype: int64
Percapita income in four merto cities
Delhi 4442.555368
Mumbai 8779.118931
Kolkata 642,904415
Chennai 744.699541
dtype: float64
```

\*\* Process exited - Return Code: 0 \*\*

Press Enter to exit terminal

