```
Type "help", "copyright", "credits" or "license()" for more information
>>>
=== RESTART: C:\Users\HP\AppData\Local\Programs\Python\Python39\Student
        Welcome to Student Database and Management
    This program will help you to view your child's performance

Enter 1 : To Add a Data of a Class
Enter 2 : To Add Cycle Test 1 Marks
Enter 3 : To Add Cycle Test 2 Marks
Enter 4 : To Add Cycle Test 3 Marks
Enter 5 : To Add Cycle Test 4 Marks
Enter 6 : To View the data of all the students
Enter 7 : To View the performance of the students
Enter 8 : To Rename your file name
Enter 9 : To Exit the Program

Enter your Class : XII
Enter your Section : B


Choose your Option :1

Enter the total Students in your class :3


Enter Name 1 :
TONY
Enter the Address :
LAVENDER STREET
Enter DOB :
13-09-2004
Transportation type :
BUS
Email ID :
tony@gmail.com

Enter Name 2 :
STEVE
Enter the Address :
FOOD STREET
```

```
Enter the Mark :45
Enter the Mark :34
Enter the Mark :27

Choose your Option :4


Enter Cycle Test 3 Marks :

Enter the Lower bond :0
Enter the Upper bond :3

Enter the Mark :33
Enter the Mark :25
Enter the Mark :6

Choose your Option :5


Enter Cycle Test 4 Marks :

Enter the Lower bond :0
Enter the Upper bond :3

Enter the Mark :25
Enter the Mark :64
Enter the Mark :34

Choose your Option :6


You are viewing your child's data

     Name Class Section ... Cycle Test 2 Cycle Test 3 Cycle Test 4
2   ANGEL   XII       B ...         27.0          6.0         34.0
1   STEVE   XII       B ...         34.0         25.0         64.0
0    TONY   XII       B ...         45.0         33.0         25.0

[3 rows x 11 columns]
```

```
     Name Class Section ... Cycle Test 2 Cycle Test 3 Cycle Test 4
2   ANGEL   XII       B ...         27.0          6.0         34.0
1   STEVE   XII       B ...         34.0         25.0         64.0
0    TONY   XII       B ...         45.0         33.0         25.0

[3 rows x 11 columns]

Choose your Option :7


Want to View the performance of your Child ? Choose any of the following

 1.Average of the Class
 2.Statistics of the Class
 3.Highest Mark in the Class
 4.Lowest Mark in the Class
 5.Statistics per Student in Cycle Test 1
 6.Statistics per Student in Cycle Test 2
 7.Statistics per Student in Cycle Test 3
 8.Statistics per Student in Cycle Test 4
 9.To Exit from Statistics

What do you want to see ?1

Average of the Class is :

Cycle Test 1    33.333333
Cycle Test 2    35.333333
Cycle Test 3    21.333333
Cycle Test 4    41.000000
dtype: float64

What do you want to see ?2

Cycle Test 1    33.333333
Cycle Test 2    35.333333
Cycle Test 3    21.333333
Cycle Test 4    41.000000
dtype: float64
```

Figure 1



Average of Class

```
Cycle Test 1    33.333333
Cycle Test 2    35.333333
Cycle Test 3    21.333333
Cycle Test 4    41.000000
dtype: float64

What do you want to see ?2

Cycle Test 1    33.333333
Cycle Test 2    35.333333
Cycle Test 3    21.333333
Cycle Test 4    41.000000
dtype: float64
What do you want to see ?3

Highest Marks in the Class :

Cycle Test 1    53.0
Cycle Test 2    45.0
Cycle Test 3    33.0
Cycle Test 4    64.0
dtype: float64

What do you want to see ?4

Lowest Marks in the Class :

Cycle Test 1    23.0
Cycle Test 2    27.0
Cycle Test 3     6.0
Cycle Test 4    25.0
dtype: float64

What do you want to see ?5

2    23.0
1    53.0
0    24.0
Name: Cycle Test 1, dtype: float64
```



Figure 1 — Marks - Cycle Test 1 (bar chart: ANGEL, STEVE, TONY)

```
dtype: float64

What do you want to see ?2

Cycle Test 1    33.333333
Cycle Test 2    35.333333
Cycle Test 3    21.333333
Cycle Test 4    41.000000
dtype: float64
What do you want to see ?3

Highest Marks in the Class :

Cycle Test 1    53.0
Cycle Test 2    45.0
Cycle Test 3    33.0
Cycle Test 4    64.0
dtype: float64

What do you want to see ?4

Lowest Marks in the Class :

Cycle Test 1    23.0
Cycle Test 2    27.0
Cycle Test 3     6.0
Cycle Test 4    25.0
dtype: float64

What do you want to see ?5

2    23.0
1    53.0
0    24.0
Name: Cycle Test 1, dtype: float64
What do you want to see ?6

2    27.0
1    34.0
0    45.0
Name: Cycle Test 2, dtype: float64
```



Figure 1 — Marks - Cycle Test 2 (bar chart: ANGEL, STEVE, TONY)

```
Cycle Test 4    41.000000
dtype: float64
What do you want to see ?3

Highest Marks in the Class :

Cycle Test 1    53.0
Cycle Test 2    45.0
Cycle Test 3    33.0
Cycle Test 4    64.0
dtype: float64

What do you want to see ?4

Lowest Marks in the Class :

Cycle Test 1    23.0
Cycle Test 2    27.0
Cycle Test 3     6.0
Cycle Test 4    25.0
dtype: float64

What do you want to see ?5

2    23.0
1    53.0
0    24.0
Name: Cycle Test 1, dtype: float64
What do you want to see ?6

2    27.0
1    34.0
0    45.0
Name: Cycle Test 2, dtype: float64
What do you want to see ?7

2     6.0
1    25.0
0    33.0
Name: Cycle Test 3, dtype: float64
```



Figure 1 — Marks - Cycle Test 3

Ln: 191  Col: 0

```
Cycle Test 1    53.0
Cycle Test 2    45.0
Cycle Test 3    33.0
Cycle Test 4    64.0
dtype: float64

What do you want to see ?4

Lowest Marks in the Class :

Cycle Test 1    23.0
Cycle Test 2    27.0
Cycle Test 3     6.0
Cycle Test 4    25.0
dtype: float64

What do you want to see ?5

2    23.0
1    53.0
0    24.0
Name: Cycle Test 1, dtype: float64
What do you want to see ?6

2    27.0
1    34.0
0    45.0
Name: Cycle Test 2, dtype: float64
What do you want to see ?7

2     6.0
1    25.0
0    33.0
Name: Cycle Test 3, dtype: float64
What do you want to see ?8

2    34.0
1    64.0
0    25.0
Name: Cycle Test 4, dtype: float64
```



Figure 1 — Marks - Cycle Test 4

Ln: 197  Col: 0

```
What do you want to see ?5

2    23.0
1    53.0
0    24.0
Name: Cycle Test 1, dtype: float64
What do you want to see ?6

2    27.0
1    34.0
0    45.0
Name: Cycle Test 2, dtype: float64
What do you want to see ?7

2     6.0
1    25.0
0    33.0
Name: Cycle Test 3, dtype: float64
What do you want to see ?8

2    34.0
1    64.0
0    25.0
Name: Cycle Test 4, dtype: float64
What do you want to see ?9


Choose your Option :8

Do you want to rename your file name ? [y/n]
Choose your Option :y
Enter the name with valid extension :CLASS 12.csv
Your data has been saved with the above name

Choose your Option :10

Invalid Choice

Choose your Option :9

>>> |
```

Offline file after saving the data