

Lab 5: Function and List

1. Write a program to read name of student, TP Number and enter his/her all subject marks in list. Compute the total and percentage (Average) of a student. At the end display Name of student, TP Number, Total, Percentage and Grade of that semester by **using function as defined below**.

(Note: 100-80 = A+ 80-75 = A 75-70 = B+
70-65 = B 65-60 = C+ 60-55 = C
55-50 = C- 50-0 = D/Fail).

- a. Use **Display function** to print output.
- b. Use **mark function** to accept parameter and return total to Display function.
- c. Use **average function** by passing parameter which is generated in mark function.
- d. Use **grade function** by passing parameter which is generated in average function.

Sample Input / Output:

Do you want to continue '0' to Continue '-1' to Terminate : 0

Your Options are:

1. Add new student detail.
2. View all student details.
3. Search Specific student detail.

Select your choice: 1

Enter Student Name : John Billy

Enter John Billy's TP Number : TP098765

How many subjects in Semester : 5

Enter 1 subject Marks : 65

Enter 2 subject Marks : 70

Enter 3 subject Marks : 75

Enter 4 subject Marks : 80

Enter 5 subject Marks : 85

Total of all Subjects : 375

Average of Semester : 75

Grade of Semester : A

Do you want to continue '0' to Continue '-1' to Terminate : 0

Your Options are:

1. Add new student detail.
2. View all student details.
3. Search Specific student detail.

Select your choice: 1

Enter Student Name : Harry Potter

Enter Harry Potter's TP Number : TP012345

How many subjects in Semester : 5

Enter 1 subject Marks : 60

Enter 2 subject Marks	: 66
Enter 3 subject Marks	: 70
Enter 4 subject Marks	: 63
Enter 5 subject Marks	: 72
Total of all Subjects	: 331
Average of Semester	: 66.2
Grade of Semester	: B+

Do you want to continue '0' to Continue '-1' to Terminate : -1