

Lab Tasks

Task 1:

Write a C++ program to create class name **'student'** to get and print details of a student. Declare two functions in class name **getDetail()** and **printDetail()**. In getDetail() take detail of a student(Name, Roll Number, Total marks out of 500,) and calculate percentage. In printDetail() display the all data of a student. Output should be like this.

Note: Name should be in two words e.g. (Shahid Khan).

```
Enter name: Shahid Khan
Enter roll number: 2020111
Enter total marks outof 500: 400

<<<<<<<<<>>>>>>>>
Student details:
Name:Shahid Khan
Roll Number:2020111
Total:400
Percentage:80
-----
Process exited after 23.83 seconds with return value 0
Press any key to continue . . .
```

Task 2:

Write a C++ program to create a class 'Distance' to read and add two distance. Make 4 functions

- 1) `getDist()` →→ Take two distance in feet and inches form.
- 2) `addDist()` →→ Add two distance.
- 3) `subDist()` →→ Subtract two distance.
- 4) `showDist()` →→ Display original distances.

In main show addition and subtraction of distances.

Note: If we enter inches ≥ 12 then feet++ and inches-=12.

```
Enter Distance1 :  
Enter Value of feets : 12  
Enter value of inches : 5  
Enter Distance2 :  
Enter Value of feets : 5  
Enter value of inches : 13
```

```
Distance1 :  
    Feets : 12  
    Inches: 5  
Distance2 :  
    Feets : 6  
    Inches: 1  
Addition of distance :  
    Feets : 18  
    Inches: 6  
Subtraction of distance :  
    Feets : 6  
    Inches: 4
```

```
-----  
Process exited after 23.04 seconds with return value 0  
Press any key to continue . . .
```