

Problem Set 3

1. Write a C++ program to read and add two distances using constructor and destructor.

Sample Input :

Enter distance1:
 Enter value of feets : 10
 Enter value of inches : 7
Enter distance2:
 Enter value of feets : 15
 Enter value of inches : 8

Sample output :

Feet : 26
Inches : 3

2. Reading four CT marks of a student from which two marks set by default constructor and another two marks set by parameterized constructor. Finally find the average of three highest marks using a member function with different object.
3. Write a C++ class & object program to change a class variable value from outside the class using a function which function can add some value with the class variable and show the result.

Sample input:

Enter a number: 19

Sample output:

After add 6 result 25

4. Write a C++ class & object program to calculate mean value of two number in a class. The two numbers must be in another class. (use friend class)

Sample input:

Enter a number: 10 12

Sample output:

Mean = 11

5. Write a C++ program to calculate rectangle area using friend class function. Where one class contains height and width and other class function calculates area of that height and width.

Sample Input :

Enter Height and Width : 4 8

Sample output :

Area Of the rectangle is : 32