

## Assignment

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Feb2020/ CPP/Assignment 001  
Object Oriented Programming (OOP)  
Diploma in Advance Computing  
February 2020

1. Write a program to take input as your name and address and displays your name and address.
2. Write a program to display the following output using a cout statement.

Subject	Marks
Mathematics	90
Computer	77
Chemistry	69

3. Write a C++ program that asks for a distance in furlongs and converts it to yards.  
(One furlong is 220 yards.)
4. Write a program that asks the user to enter his or her age. The program then should  
Display the age in months:  
Enter your age: 29  
Your age in months is 384.
5. Write a program that has main() function in that call a user-defined function that takes a Celsius  
Temperature value as an argument and then returns the equivalent Fahrenheit value.  
The program should request the Celsius value as input from the user and display  
The result, as shown in the following example.  
Please enter a Celsius value: 20  
20 degrees Celsius is 68 degrees Fahrenheit.  
For reference, here is the formula for making the conversion:  
$$\text{Fahrenheit} = 1.8 \times \text{degrees Celsius} + 32.0.$$
6. Write a C++ program to write function for finding cube of a number( Use Call by reference).Print  
the result in main() function.
7. Write a C++ program in which define a function which will display sum of 1 to 10 numbers using  
call by reference.
8. Write a C++ program to write function for doing swapping of two integers using (call by address  
& Call by reference)
9. Write a C++ program to allocate memory for n subjects and calculate average of it.  
For example consider n=5 then allocate memory for 5 integers using new operator  
Calculate the average and display it. Also deallocate the memory. Using delete operator.