



BABU MADHAV INSTITUTE OF INFORMATION TECHNOLOGY, UTU

Integrated M.Sc.(IT)

Semester-II

060010210 | CC5 Object Oriented Programming

Practice List: 02

Sr. No.	Problem Definition
1.	Write a program to reverse a string using function.
2.	Write a program to check whether the given number is palindrome or not.
3.	Write a program which can accept N number of elements from the user and sort them in ascending order.
4.	Write a program to check total number of words and character in a sentence.
5.	Write a program to add two dates using class.
6.	Write a program to develop a counter using static function. [without using loop]
7.	Consider DA as 4%, HRA as 8% and PF as 7% of basic salary. Calculate the salary by writing a C++ program using inline function.
8.	Write a program to create a class named “student” which has two data members enro and name. Take appropriate methods for taking information of 5 students from the user and display the same using array.
9.	Write a program to create a class named “student” which has three data members enro, name and marks. Take appropriate methods for taking information of a student and his/her marks in 5 subjects. Also calculate the total marks of all 5 subjects. At last display the information of a student in a proper format. [Without using Array of Objects]
10.	Write a program to create two classes named “supervisor” and “manager”. Both the classes have three data members that is code, name and salary. Make a friend function named calsalary(), which will calculate salary for both the classes. [Consider DA as 4%, HRA as 8% and PF as 7% of basic salary for calculating salary.]
11.	Write a program to create a class called “area” which has same name function named “volume” to calculate area of cube, cuboids and cylinder.
12.	Write a program to create a class called “student” which have eight data members enro, name, semester, mark1, mark2, mark3, mark4 and mark5. Create a function which accepts data from user and calculate total marks and percentage. Display all data where enro should get increased automatically. Make the use of inline function.



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| 13. | Create a C++ class for player object with the following attributes player no., name, number of matches and number of goals done in each match. The number of matches varies for each player. Write parameterized constructor which initializes player no., name, number of subjects and creates array for number of goals and number of matches dynamically. |
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