



GOVIND VIDYALAYA TAMULIA

(A Senior Secondary School Affiliated to C.B.S.E. (New Delhi) School No - 08249)

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ASSIGNMENT SHEET

STD XI

SESSION 2017-2018

Date-21-11-2017

1. Write a program to input the code of a particular item, the quantity purchased and the rate. Then ask if any more items are to be purchased. If don't, then calculate the total purchase and print it along with gifts to be presented. The gifts to the customers are given in the following manner:

Amount of purchase (Rs.)	Gift
100 and above but less than 500	A key ring
500 and above but less than 1000	A leather purse
1000 and above	A pocket calculator

Before ending the program a "Thank You" statement should be printed to all the customers.

2. A library charges a fine for books returned late. Following are the fines :

First five days	: 40 paise per day
Six to ten days	: 65 paise per day
Above ten days	: 80 paise per day

Design a program in c++ (with relevant supporting material) to calculate the fine assuming that a book is returned N days late.

3. Write a program in c++ that checks whether the given character is alphanumeric or a digit.
4. Write a C++ function having two value parameters X and Y with result type float to find the sum of series given below. $1+X^1/2! + X^2/3! + \dots + X^N/(N+1)!$
5. Write an interactive menu driven program in C++ to convert a temperature reading in Celsius to Fahrenheit or to convert temperature reading in Fahrenheit to temperature in Celsius depending on the choice of a user.
6. Write a function to find the sum of series. $1+1/2+1/3+1/4+1/5+1/6+ \dots$ up to N terms.
7. Write a program to input an array num with 10 different integer values and search a particular value and its position in an array.
8. Write a program in C++ to enter data given by the user in two 3 X 4 arrays and then find their sum as another 3 X 4 array.
9. Wap in C++ to swap two numbers without using third variable
10. Wap to check whether an entered number is prime or not
11. Wap to check the number is palindrome or not?
12. Wap to check whether entered number is Armstrong or not?
13. Wap to print message for the various season using switch case?
14. Wap to find the factorial using for and go to statement?
15. Wap to find the greatest common divisor of two given numbers?
16. Wap a function to find the sum of odd numbers till N where N is user input?
17. Wap to calculate the root of quadratic equation using function?
18. Write a program in C++ to print first 10 multiple of an integer N where N is to be entered by user?
19. Write a function to find the sum of series? $1+2+3+4+5+6+ \dots$ up to N terms.
20. Write a program in C++ to take as inputs from the user, by using single subscripted variables, the marks in computer science of forty students and then print those marks in descending order in a column.

Assigned By:

Vikash Anand

HOD-IT/CS

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