PROGRAMMING IN C
(SUBJECT CODE: 053006)

1. Write a C program to-:

    a.   Print your name and address. b.   Find simple and compound interest.

2.   Write a C program to swap two variable's using (I) third variable and (ii) without using a third variable.

3.   Write a program to convert a given number of days into months and days using integer arithmetic operators.

4.   Write a program the use of variables in expression and their evaluation.

5.   Write a program converts the given temperature in Fahrenheit to Celsius using preprocessor.

6.   Write a program to find the largest number between given three numbers.

7.   Write a program to perform following tasks.

    a. Find factorial of a number.

    b. Print prime numbers up N times.

8.   Write a program to prepare the total marks for N students by reading the

    Registration Number, Name, and Mark1 to Mark6 by using array of

    structures.

9.   Write a program using the function power (a, b) to calculate the value

    of a raised tob.

10. Write a program to find the length of the given string using pointers.

11. Read an integer number, find the number of digit and sum of all individual digits

    And also print the above number in reverse order.

12.   Write a program to perform following tasks

    a. Print Fibonacci series up to N terms and its sum.

    b. Print whether a given year is leap or not.

13. Read a sentence through command line argument. Write a program to write out the

    string arguments to main in reverse order.

14.   Write a program to arrange the given N names in alphabetical order.

15. Write a program to count the numbers and chars in the string.

16.   Write a program that uses a function to sort an array of integers.

17.   Write a program to calculate the subject wise and student wise totals and store them as a part of the structure.

18.   Write a program to read 10 values to an array variable. Use pointers to locate and display each value.

19.   Write a program that uses a table of integers whose size will be specified interactively at runtime.

20.   Write a program to store a character string in a block of memory space created by MALLOC and then

    modify the same to store a larger string.

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