

LAB ASSIGNMENT RECORD

On

ECS 251

COMPUTER BASIC AND C PROGRAMMING LAB



**COLLEGE OF COMPUTING SCIENCES AND
INFORMATION TECHNOLOGY**

TMU, MORADABAD

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Submitted To:

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LAB ASSIGNMENT NAME – COMPUTER BASIC AND C PROGRAMMING LAB**LAB ASSIGNMENT NO. - 1**

S No	Program Name	Page No	Date	Sign	Remark
1	Write a program that converts Centigrade to Fahrenheit				
2	Write a C program that prints the perimeter of a rectangle to take its height and width as input				
3	Write a program in C that takes minutes as input, and display the total number of hours and minutes.				
4	Write a program in C to calculate the sum of three numbers with getting input in one line separated by a comma				
5	Write a C program to perform addition, subtraction, multiplication and division of two numbers				
6	Write a C program to find the third angle of a triangle if two angles are given				
7	Write a C program to check whether a given number is even or odd				
8	Write a C program to check whether a given number is positive or negative				
9	Write a C program to find whether a given year is a leap year or not.				
10	Write a C program to read the age of a candidate and determine whether it is eligible for casting his/her own vote.				
11	Write a C program to read the value of an integer m and display the value of m is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.				
12	Write a C program to find the largest of three numbers				
13	Write a C program to convert decimal number to binary number.				
14	Write a C program to calculate the root of a Quadratic Equation				
15	Write a C program to read marks of three subjects and calculate the total, percentage and division				
16	Write a C program to check whether a triangle is Equilateral, Isosceles or Scalene				
17	Write a C program to check whether a character is an alphabet, digit or special character.				
18	Write a C program to check whether an alphabet is a vowel or consonant.				
19	Write a program in C to read any day number in integer and display day name in the word.				
20	Write a program in C to read any Month Number in integer and display the number of days for this month				

LAB ASSIGNMENT NAME – COMPUTER BASIC AND C PROGRAMMING LAB

LAB ASSIGNMENT NO. - 2

S No	Program Name	Page No	Date	Sign	Remark
1	Write a program in C to read 10 numbers from keyboard and find their sum and average				
2	Write a program in C to display the cube of the number upto given an integer.				
3	Write a program in C to display the multiplication table of a given integer				
4	Write a program in C to display the pattern like right angle triangle <div> <div>*</div> <div>**</div> <div>***</div> <div>****</div> <div>1</div> <div>12</div> <div>123</div> <div>1234</div> <div>1</div> <div>22</div> <div>333</div> <div>4444</div> <div>1</div> <div>2 3</div> <div>4 5 6</div> <div>7 8 9 10</div> </div>				
5	Write a C program to calculate the factorial of a given number.				
6	Write a program in C to find the sum of the series [$1 - X^2/2! + X^4/4! - \dots$].				
7	Write a program in C to display the n terms of harmonic series and their sum. $1 + 1/2 + 1/3 + 1/4 + 1/5 \dots 1/n$ terms				
8	Write a program in C to print the Floyd's Triangle. 1 01 101 0101 10101				
9	Write a c program to check whether a given number is a perfect number or not				
10	Write a c program to find the perfect numbers within a given number of range				
11	Write a C program to check whether a given number is an armstrong number or not				
12	Write a C program to determine whether a given number is prime or not.				
13	Write a program in C to display the first n terms of Fibonacci series.				
14	Write a program in C to display the number in reverse order.				
15	Write a program in C to check whether a number is a palindrome or not.				
16	Write a program in C to find the number and sum of all integer between 100 and 200 which are divisible by 9				

17	Write a C program to find HCF (Highest Common Factor) of two numbers.				
18	Write a C program to check whether a number is a Strong Number or not.				
19	Write a program in C to find the sum of all elements of the array.				
20	Write a program in C to find the maximum and minimum element in an array.				
21	Write a program in C to separate odd and even integers in separate arrays.				
22	Write a program in C for addition of two Matrices of same size				
23	Write a program in C for multiplication of two square Matrices.				
24	Write a program in C to find transpose of a given matrix				
25	Write a program in C to find sum of right diagonals of a matrix				

LAB ASSIGNMENT NAME – COMPUTER BASIC AND C PROGRAMMING LAB**LAB ASSIGNMENT NO. - 3**

S No	Program Name	Page No	Date	Sign	Remark
1	Write a program in C to find the square of any number using the function				
2	Write a program in C to swap two numbers using function.				
3	Write a program in C to check a given number is even or odd using the function.				
4	Write a program in C to check whether a number is a prime number or not using the function				
5	Write a program in C to get the largest element of an array using the function.				
6	Write a program in C to check armstrong numbers using the function				
7	Write a program in C to calculate the sum of numbers from 1 to n using recursion				
8	Write a program in C to Print Fibonacci Series using recursion				
9	Write a program in C to count the digits of a given number using recursion				
10	Write a program in C to find the Factorial of a number using recursion				
11	Write a program in C to add numbers using call by reference				
12	Write a program in C to find the length of a string without using library function				
13	Write a program in C to count the total number of words in a string				
14	Write a program in C to compare two string without using string library functions				
15	Write a program in C to count total number of alphabets, digits and special characters in a string.				
16	Write a program in C to copy one string to another string				
17	Write a program in C to store student information such as roll no, name, and marks. Using structure				
18	Write a program in C to store student information such as roll no, name, and marks. Using union				
19	Write a program in C to store student information such as roll no, name, and marks and display the percentage of each student using structure				
20					