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| **Experiment No.** | **TITLE OF EXPERIMENT** |
| Exp-1 | 1. Familiarization with Lab Environment |
| 1. Hello World |
| Exp-2 | 1. Arithmetic operations using addition, subtraction, multiplication and remainder operator |
| 1. Area and Perimeter of Circle, Square and Rectangle |
| 1. Find Euclidean distance between two points in a plane |
| Exp-3 | 1. Number is even or odd |
| 1. Check whether the alphabet is a vowel or consonant |
| 1. Area of Circle, Square and Rectangle based on user choice |
| Exp-4 | 1. Factorial using for loop |
| 1. Fibonacci sequence using for loop |
| 1. Maximum of n numbers using for loop |
| Exp-5 | 1. Check if a number is prime or not using while loop |
| 1. Calculate sum of digits of a number using while loop |
| 1. Check no. is armstrong or not using while loop |
| Exp-6 | 1. To find max element and index in array |
| 1. Sorting an array using insertion sort |
| 1. Searching an element in an array using linear search |
| Exp-7 | 1. To read and print elements in two dimensional array |
| 1. Program to perform matrix multiplication |
| 1. To demonstrate the use of various string operations |
| Exp-8 | 1. Write a C program to create Simple Calculator using switch case and function for every operation |
| 1. Fibonacci sequence using recursion |
| 1. Factorial using recursion |
| Exp-9 | 1. Swapping of two numbers using call by value and call by reference |
| Exp-10 | 1. To demonstrate the use of malloc(), calloc() and free() functions |
| Exp-11 | 1. To store the information of student marks using structures and find total marks of individual student |
| 1. To store information of a student using union |
| 1. Array of structures for student marks for each student and passing it to function for various operations |
| Exp-12 | 1. Program to read and write in a file |
| 1. Program for reading and writing the student marks data to files |