C PROGRAMMING PRACTICAL – INDEX (1–38)

Sl. No.	Name of Experiment	Submission Date	Teacher Signature	Remarks
1	Setup VS Code + GCC, write first C program, explain structure, print name and age using printf			
2	Write a C program to swap two numbers			
3	Declare variables of type int, float, char, and double and print their values and sizes using sizeof			
4	Input two integers and perform addition, subtraction, multiplication, division, and modulus			
5	Demonstrate the difference between pre-increment (++x) and post-increment (x++)			
6	Employee salary calculation with HRA, DA, Gross Salary, Income Tax, and Net Salary			
7	Use relational and logical operators to compare two account balances			
8	Username and password validation using logical operators			
9	Initial bank balance update using compound assignment operators			
10	Check whether a number is even or odd using if-else statement			
11	Find the largest of three numbers using nested if-else			
12	Check whether a given year is a leap year or not			
13	Accept student marks and display grade using conditional logic			
14	Check whether the input character is alphabet, digit, or special character			
15	Calculate electricity bill of a customer using conditional statements			
16	Traffic light control using switch case statement			
17	Display number of days in a month using switch case			
18	Calculate the total bill of five items			

Sl. No.	Name of Experiment	Submission Date	Teacher Signature	Remarks
19	Calculate total electricity consumption for seven days			
20	Count employees aged 30 years or above out of ten			
21	Calculate total walking distance for thirty days			
22	Count total present days from attendance input			
23	Print different star patterns using nested loops			
24	Menu-driven program for multiplication table using while and do-while			
25	Print weekly lecture schedule using switch or if-else			
26	Find factorial of a number using function			
27	Find square of a number using function			
28	Find the largest of three numbers using function			
29	Calculate total, average, and grade using function			
30	Swap two numbers using call by reference			
31	Find maximum of two numbers using pointer arguments			
32	Perform arithmetic operations using call by reference			
33	Calculate factorial using call by reference			
34	Read and display array elements using pointers			
35	Find sum and average of array elements using function			
36	Search an element in an array using linear search			
37	Reverse a string using pointers			
38	Store and display student details using structure			