**DR. VIRENDRA SWARUP INSTITUTE OF COMPUTER STUDIES**



**PRACTICAL FILE**

**ON**

**Computer Laboratory and Practical Work of C Programming**

**(BCA-1002P)**

**SESSION: BCA 2024 I SEMESTER (2024 -25)**

**SUBMITTED IN**

**PARTIAL FULFILLMENT FOR AWARD OF THE DEGREE OF**

**BACHELOR OF COMPUTER APPLICATION**

**C.S.J.M. UNIVERSITY KANPUR, UP**

SUBMITTED TO: SUBMITTED BY:

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| **NO.** | **PROGRAM** | **PAGE NO.** | **SIGNATURE** |
| 1 | WAP to add two numbers entered by user. | 1 |  |
| 2 | WAP to swap two numbers entered by user. | 2 |  |
| 3 | WAP to convert the temperature in Fahrenheit to Celsius. | 3 |  |
| 4 | WAP to find the greatest number in between two integer number using a conditional operator. | 4 |  |
| 5 | WAP to check whether the number is even or odd. | 5 |  |
| 6 | WAP to find the largest number among three numbers. | 6 |  |
| 7 | WAP to calculate the sum of natural numbers. | 7 |  |
| 8 | WAP to check whether the entered year is leap year or not. | 8 |  |
| 9 | WAP to find the factorial of a number. | 9 |  |
| 10 | WAP to make a simple calculator using a switch statement. | 10 |  |
| 11 | WAP to generate a multiplication table of a given number. | 11 |  |
| 12 | WAP to check whether the entered number is Armstrong or not. | 12 |  |
| 13 | WAP to reverse a number entered by user. | 13 |  |
| 14 | WAP to check whether a number entered by the user is Palindrome or not. | 14 |  |
| 15 | WAP to check whether the entered number is Prime or not. | 15 |  |
| 16 | WAP to print days of the week using switch case. | 16 |  |
| 17 | WAP to print Fibonacci series up to a given limit. | 17 |  |
| 18 | WAP to print the sum of digits of the given number. | 18 |  |
| 19 | WAP to check whether the entered number is neon or not. | 19 |  |
| 20 | WAP to input 3\*3 matrix from the user and find the sum of the diagonal. | 20 |  |
| 21 | WAP to input 3\*3 matrix from the user and find the sum of the first row. | 21 |  |
| 22 | WAP to input two 2\*2 matrix and find the addition of those matrix. | 22 |  |
| 23 | WAP to input two 2\*2 matrix and find the multiplication of those matrix. | 23 |  |
| 24 | WAP to find the length of a string without using string function. | 24 |  |
| 25 | WAP to print the following pattern-  1  1 2  1 2 3  1 2 3 4  1 2 3 4 5 | 25 |  |
| 26 | WAP to print the following pattern-  \*  \* \*  \* \* \*  \* \* \* \*  \* \* \* \* \* | 26 |  |
| 27 | WAP to arrange the numbers using Bubble sort. | 27 |  |
| 28 | WAP to arrange the numbers using Selection sort. | 28 |  |