**QUESTION 1:**

Write a program to print all the possible values an integer variable can have.

**QUESTION 2:**

Write a program to convert float to double.

**QUESTION 3:**

Write a program to convert double to float.

**QUESTION 4:**

Write a program to print size of all datatypes.

**QUESTION 5:**

Write a program to convert decimal to octal number.

**QUESTION 6:**

Write a program to convert decimal to hexa decimal number.

**QUESTION 7:**

Write a program to print formatted output.

**QUESTION 8:**

Write a program to print nth bit of number.

**QUESTION 9:**

WAP to find the number of trailing zeros in a given integer.

**QUESTION 10:**

WAP to find the number of trailing zeros in a given integer in binary.

**QUESTION 11:**

C program to check if a given number is Power of 2 using Bitwise operator.

**QUESTION 12:**

WAP to swap two numbers using bitwise XOR operator

**QUESTION 13:**

WAP to check whether a number is palindrome or not.

**QUESTION 14:**

Write a C program to find the factorial of a number, where the number is entered by user.

**QUESTION 15:**

WAP to check whether a number is palindrome or not.

**QUESTION 16:**

WAP to calculate GCD of two numbers using Euclid’s algorithm. WAP to calculate GCD of two numbers using Euclid’s algorithm.

**QUESTION 17:**

WAP to find first 100 prime numbers (using square root method). Note: Compare it with other methods and its effectiveness over other method.

**QUESTION 18:**

C Program to Display Fibonacci Series.

**QUESTION 19:**

WAP to find whether a number is Armstrong or not.

**QUESTION 20:**

C Program to Convert Binary Number to Decimal and Decimal to Binary.

**QUESTION 21:**

C Program to Convert Octal Number to Decimal and Decimal to Octal.

**QUESTION 22:**

WPT Swap numbers in cyclic order using Call by Reference

**QUESTION 23:**

C Program to Find the Frequency of Characters in a String.

**QUESTION 24:**

C program to find number of Vowels, Consonants, Digits and White Spaces in a String.

**QUESTION 25:**

C program to reverse a string by passing it to function.

**QUESTION 26:**

C program to find the Length of the String.

**QUESTION 27:**

C Program to Concatenate two Strings.

**QUESTION 28:**

C Program to copy a string.

**QUESTION 29:**

C program to remove all characters in a String except alphabets.

**QUESTION 30:**

C program to sort Elements in Lexicographical order(Dictionary order)

**QUESTION 31:**

Write A Program for Bubble Sort.

**QUESTION 32:**

Write A Program for Selection Sort.

**QUESTION 33:**

Write A Program for Linear Search.

**QUESTION 34:**

Write A Program for Binary Search.

**QUESTION 35:**

Write A Program to add two matrices.

**QUESTION 36:**

Write A Program to multiply two matrices**.**

**QUESTION 37:**

Write A Program to find transpose of matrix.

**QUESTION 38:**

Write A Program to access elements of array using pointers.

**QUESTION 39:**

Write A Program to calculate standard deviation.

**QUESTION 40:**

Write A Program for bubble sorting using pointers.

**QUESTION 41:**

Write a program to call multiple functions using array of function pointers.

**QUESTION 42:**

Write a program in C of Fibonacci series using recursion.

**QUESTION 43:**

Write a Program in C to Merge sort using recursion.

**QUESTION 44:**

Write a program to Quick Sort using recursion.

**QUESTION 45:**

Write a program in C to Implement Tower of Hanoi problem

**QUESTION 46:**

Write a C Program to Store Information(name, roll and marks) of a Student Using Structure.

**QUESTION 47:**

Program to Add Two Distances (in inch-feet) System Using Structures.

**QUESTION 48:**

C Program to Add Two Complex Numbers by Passing Structure to a Function.

**QUESTION 4:**

**QUESTION 4:**