C Program to Display Prime Numbers Between Intervals Using Function

Enter two positive integers: 12

30

Prime numbers between 12 and 30 are: 13 17 19 23 29

C Program to Check Whether a Number can be Expressed as Sum of Two Prime Numbers

This program takes a positive integer from the user and checks whether that number can be expressed as the sum of two prime numbers.

If the number can be expressed as the sum of two prime numbers, the output shows the combination of the prime numbers.

Enter a positive integer: 34

$$34 = 3 + 31$$

$$34 = 5 + 29$$

$$34 = 11 + 23$$

$$34 = 17 + 17$$

3. C Program to Find GCD of Two Numbers using Recursion

## **Problem Description**

This C program, using recursion, finds the GCD of the two numbers entered by the user.

4. C Program to Find LCM of Two Numbers

## **Problem Description**

Write a C program to find the LCM of two numbers.

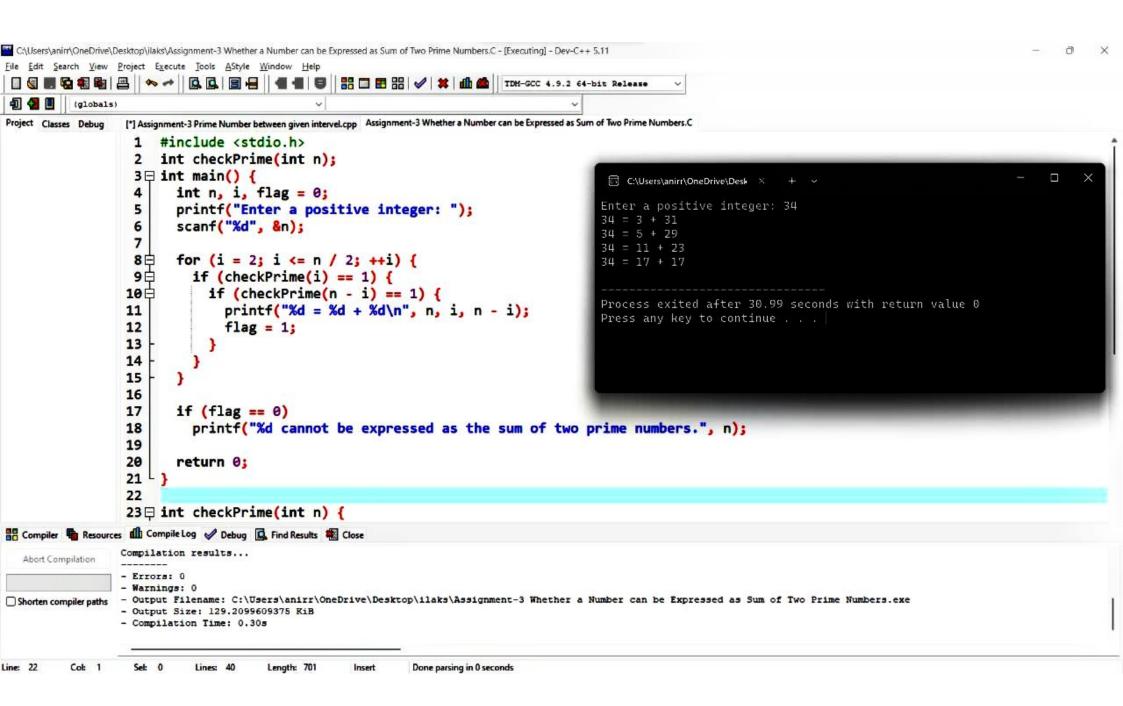
What is LCM (Least Common Multiple)?
LCM stands for Least Common Multiple. It is a method to find the lowest common multiple between the two numbers.

LCM of two numbers is the lowest possible number that is divisible by both numbers.

Examples: LCM(10,15) = 30, LCM(18,26) = 234.

5. C Program to Find Highest Frequency Character in a String Enter a string : Welcome to Sanfoundry's C Programming Class ! Max repeated character in the string = o

It occurs 4 times



C:\Users\hp\Documents\prime\numbers10\,.exe

Enter two positive integers: 20

Prime numbers between 20 and 45 are:

23

29

31 37

41 43

Process exited after 5.23 seconds with return value 0 Press any key to continue . . .











































Enter two positive integers: 366 60

G.C.D of 366 and 60 is 6.

Process exited after 9.331 seconds with return value 0

Press any key to continue . . . 🕳

















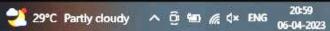
























 C Program to Display Prime Numbers Between Intervals Using Function

Enter two positive integers: 12

30

Prime numbers between 12 and 30 are: 13 17 19 23 29

Enter two positive integers: 72 120 The LCM of 72 and 120 is 360.

Process exited after 6.19 seconds with return value 0 Press any key to continue . . .



































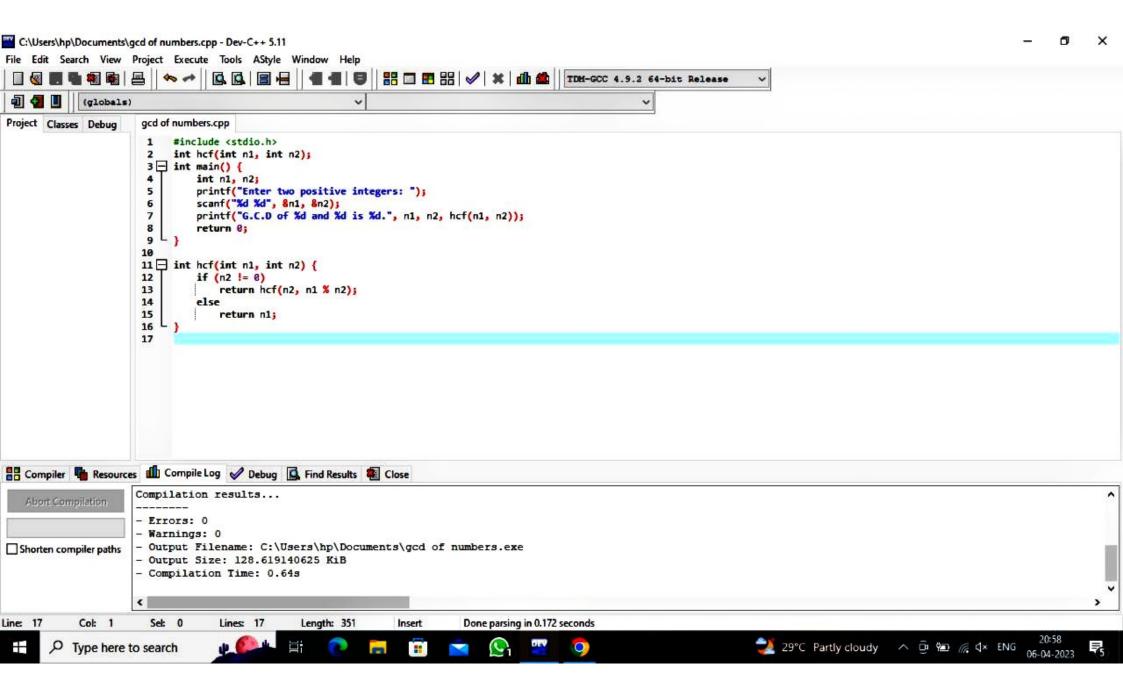


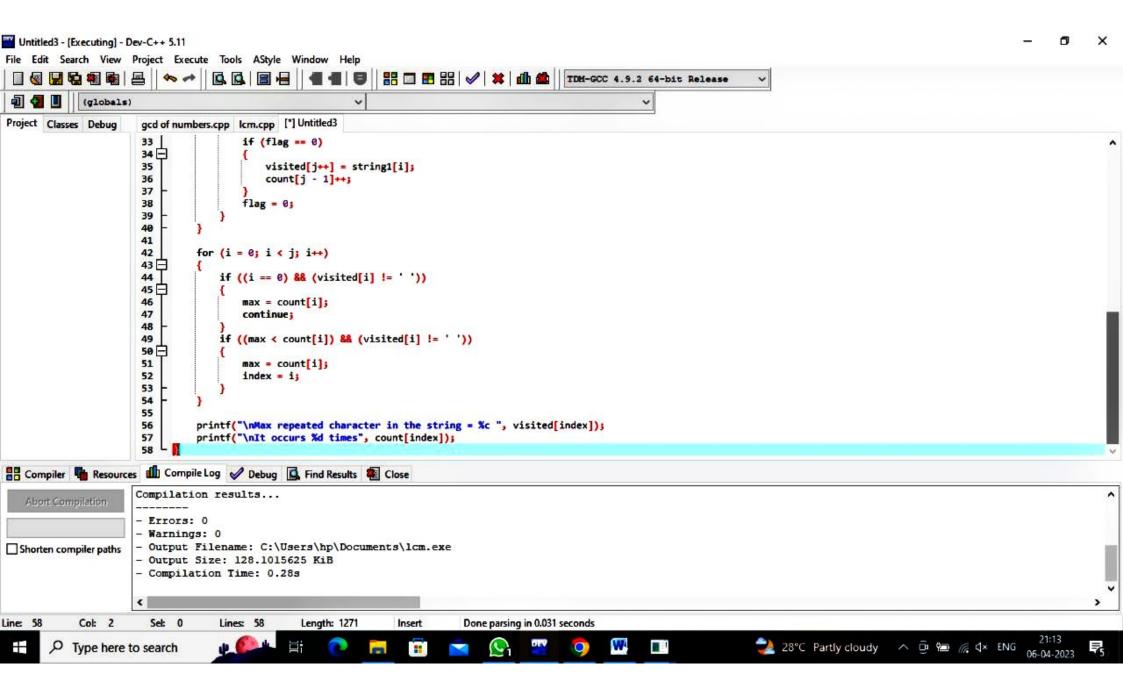












4. C Program to Find LCM of Two Numbers

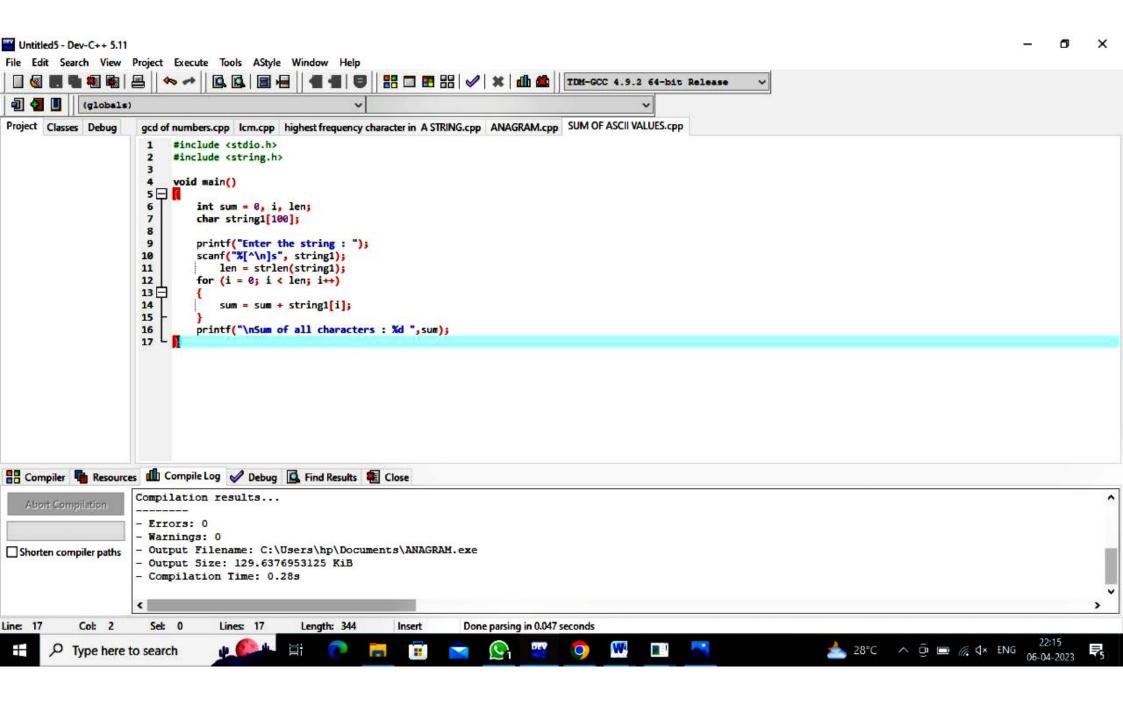
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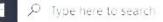
It occurs 4 times

Enter a string : C PROGRAMMING FOR QUALITY ANALYTICS

Max repeated character in the string = A It occurs 4 times

Process exited after 24.7 seconds with return value 0 Press any key to continue . . . 🕳





















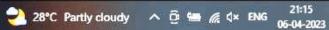












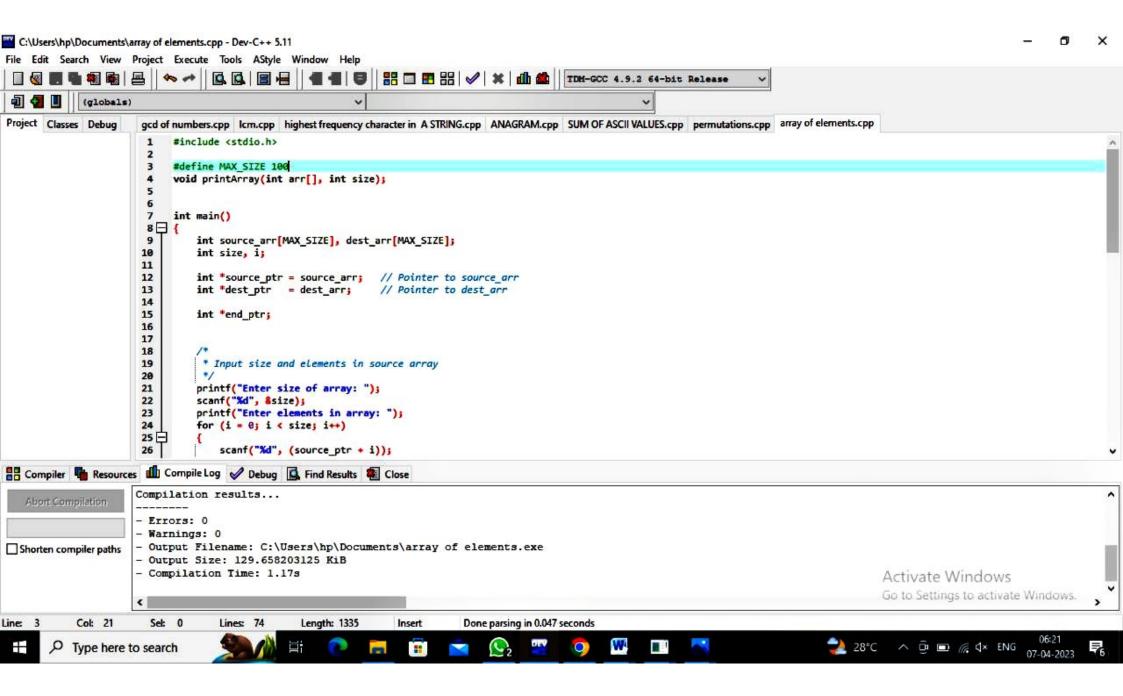


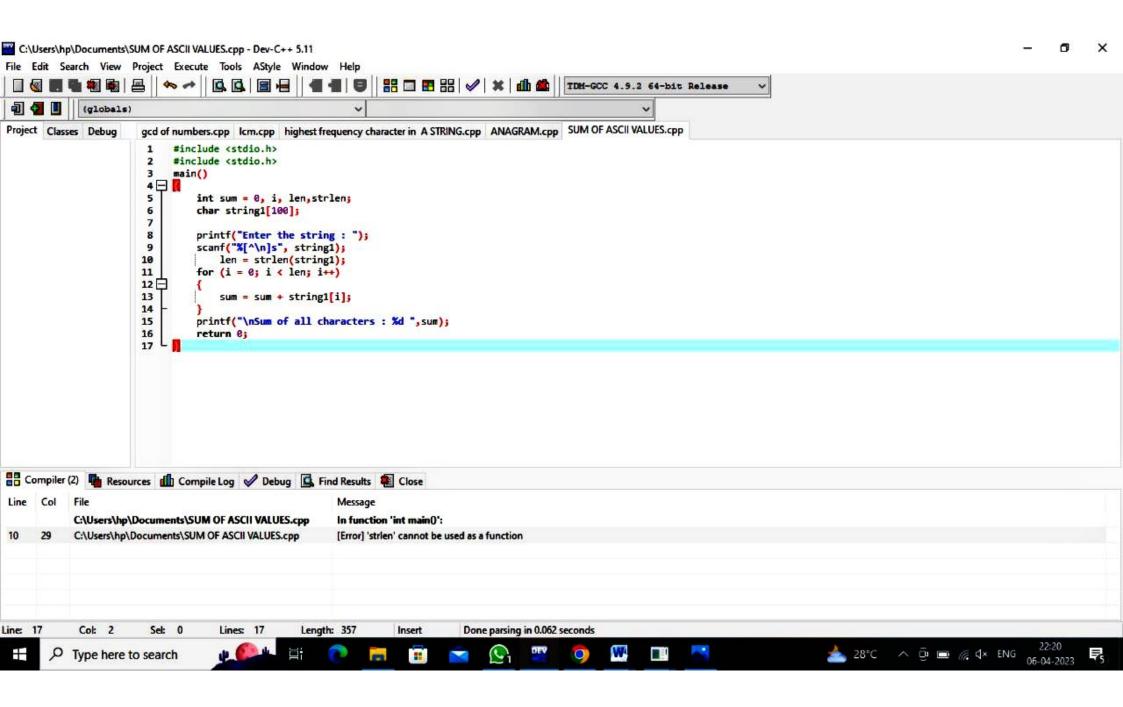


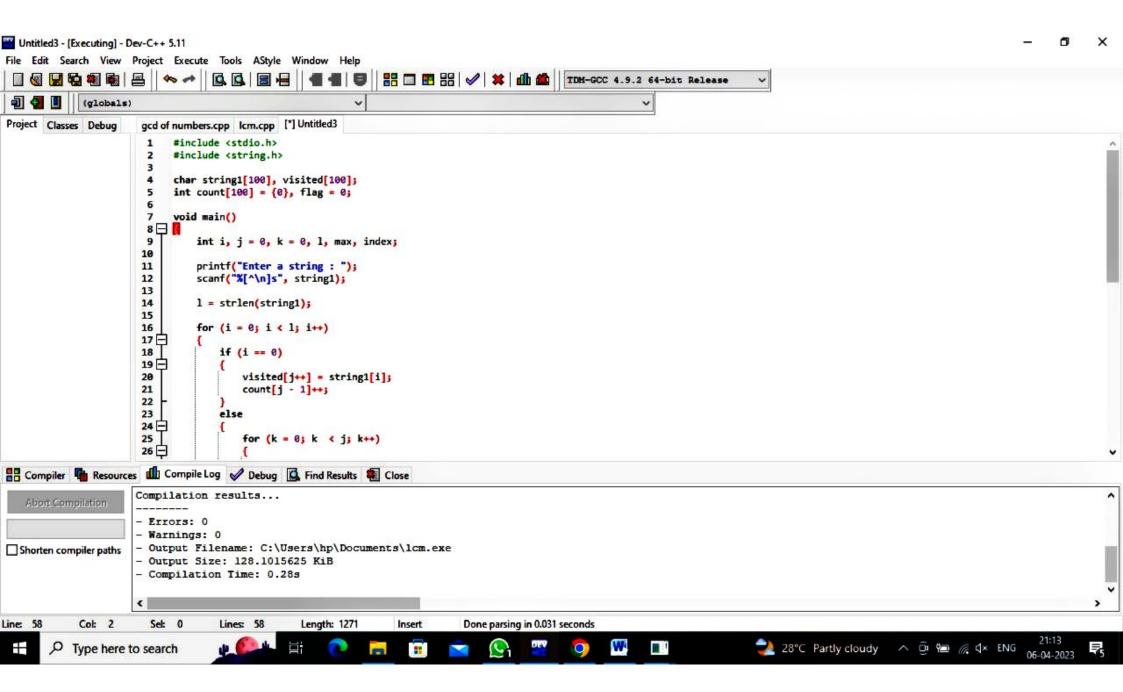


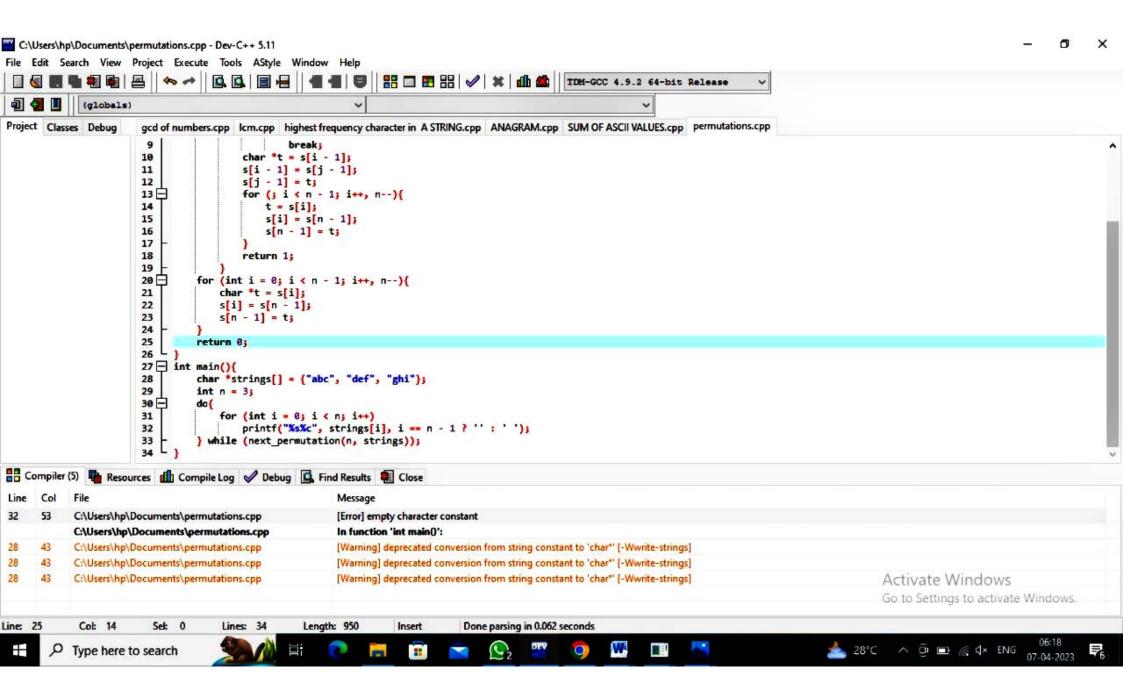








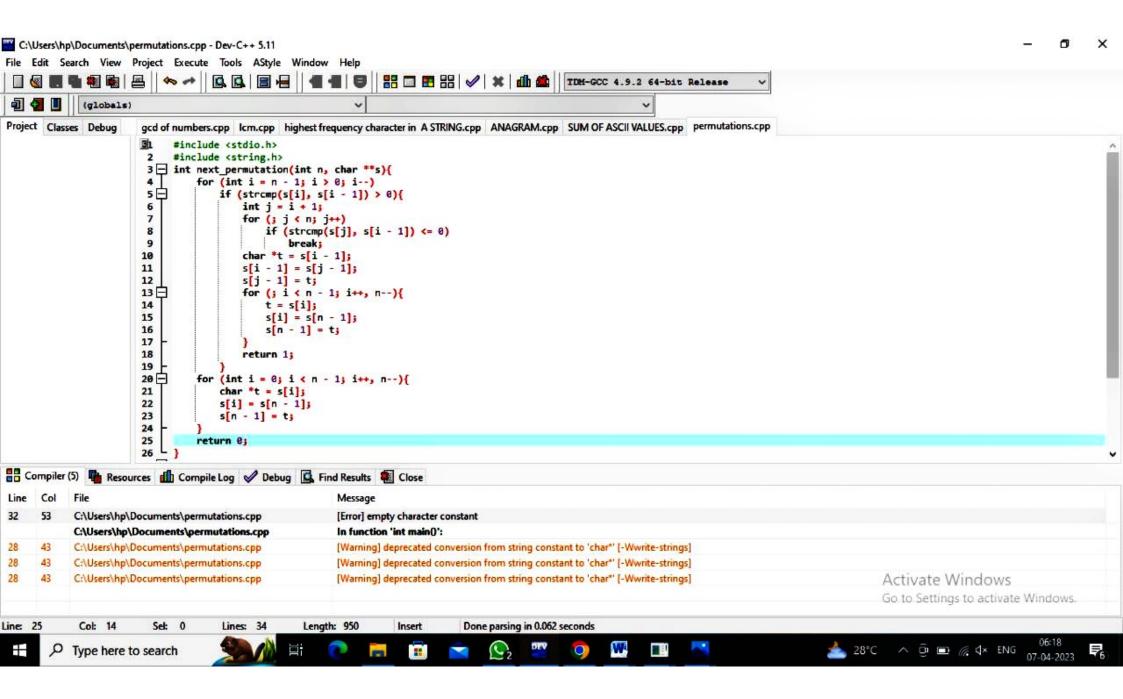


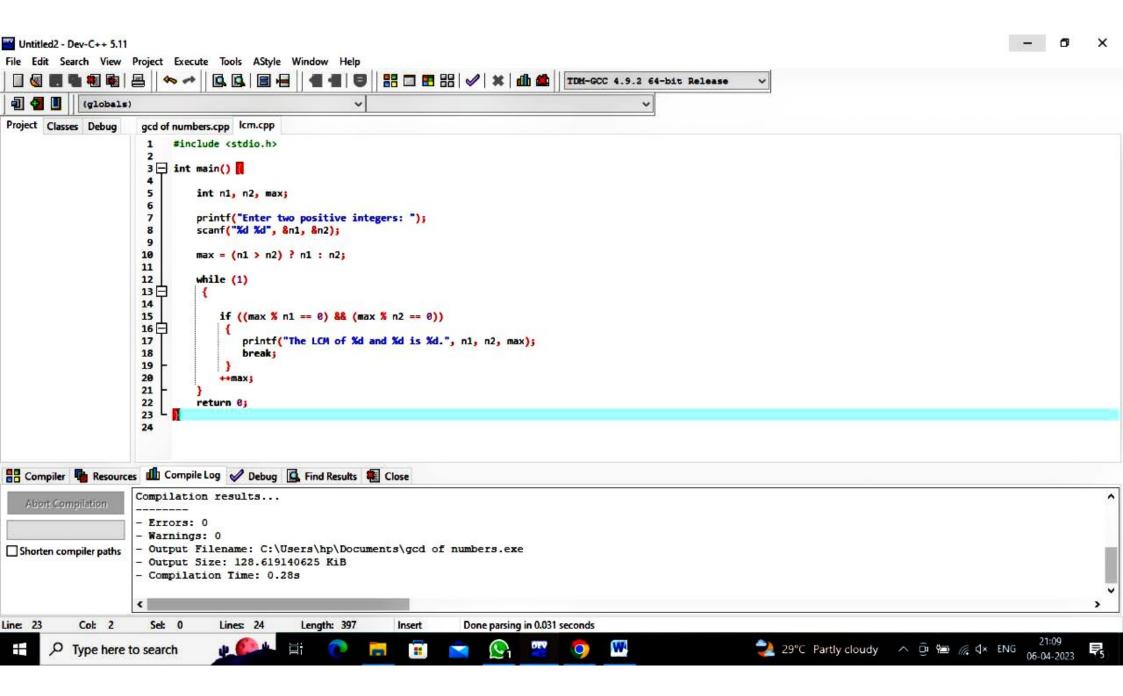


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