**21. GCD of two numbers using do-while loop**

**PROGRAM:**

**#include <iostream>**

**using namespace std;**

**int gcd(int a, int b) {**

**int temp;**

**do {**

**temp = a % b;**

**a = b;**

**b = temp;**

**} while (b != 0);**

**return a;**

**}**

**int main() {**

**int num1, num2;**

**cout << "Enter first number: ";**

**cin >> num1;**

**cout << "Enter second number: ";**

**cin >> num2;**

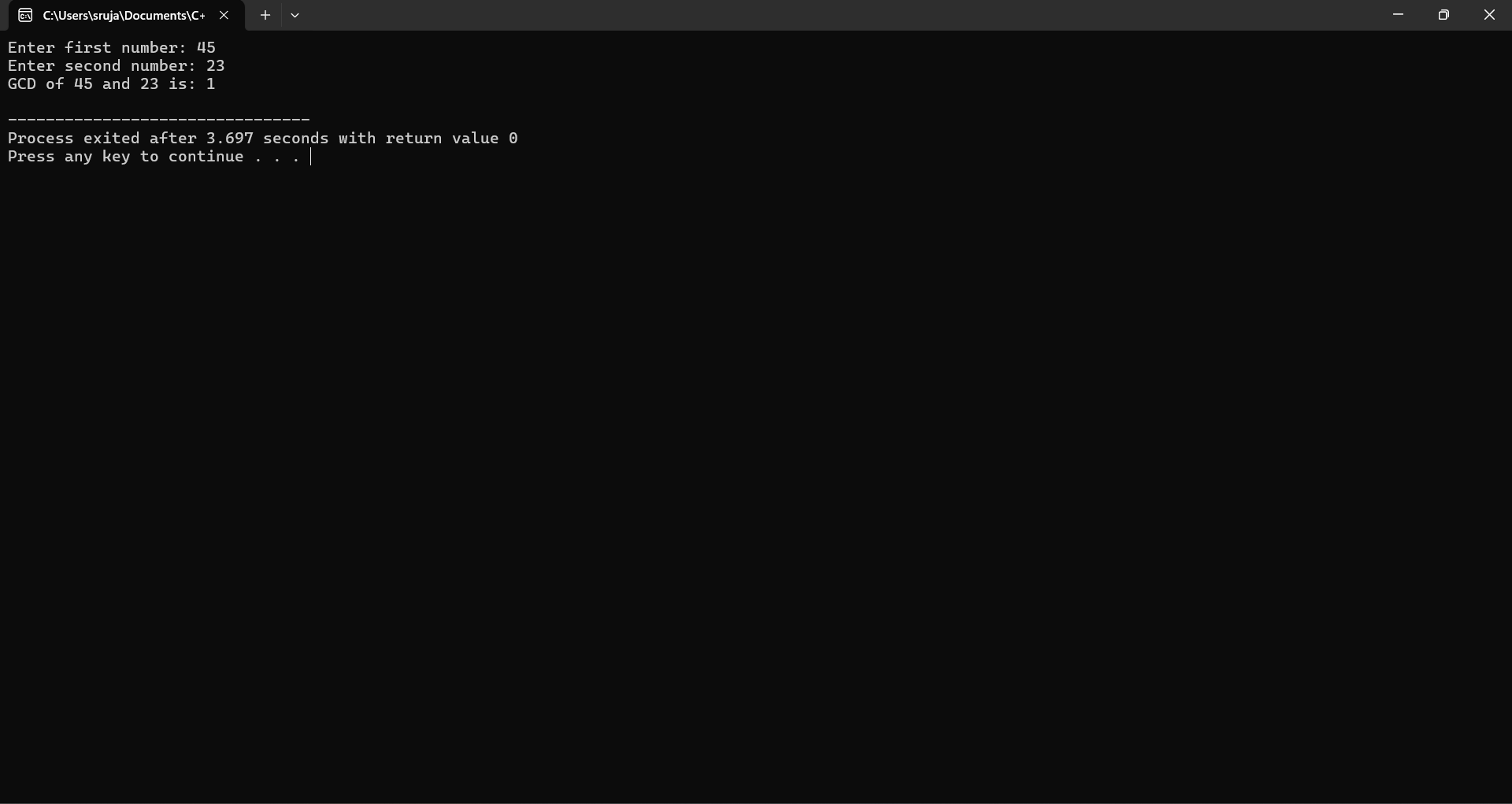
**int result = gcd(num1, num2);**

**cout << "GCD of " << num1 << " and " << num2 << " is: " << result ;**

**return 0;**

**}**

**OUTPUT:**

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