Delhi Skill and Entrepreneurship University

**YEAR: - 2021-2022**



**Ambedkar institute of technology**

**shakarapur**

BCA-B

Object oriented programming in c++

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**Name- Vidhi Verma**

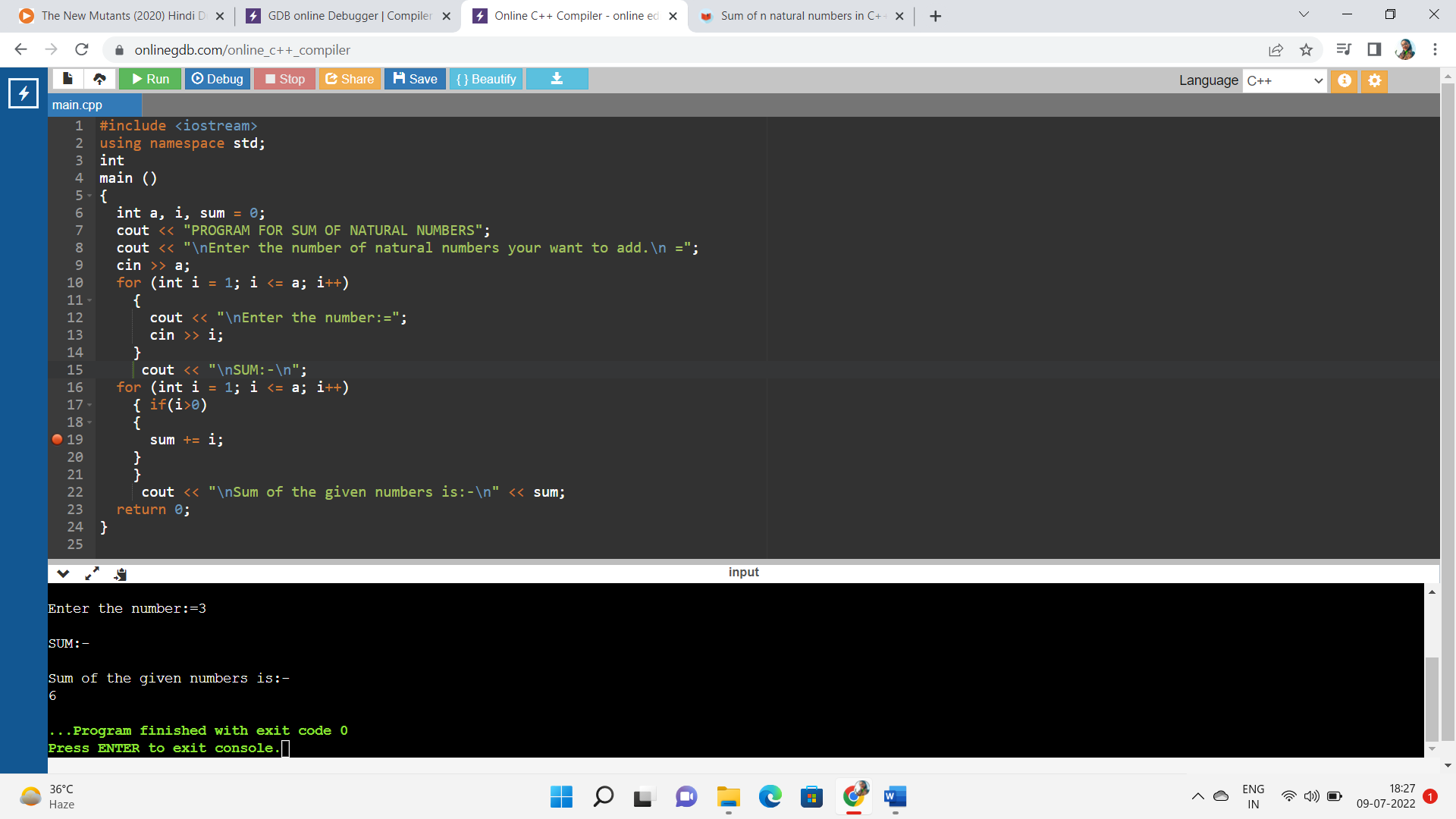
**Roll no.- 41221184**

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| s. no. | Topic | Date |
| 01 | Practical questions | 1-july-2022 |
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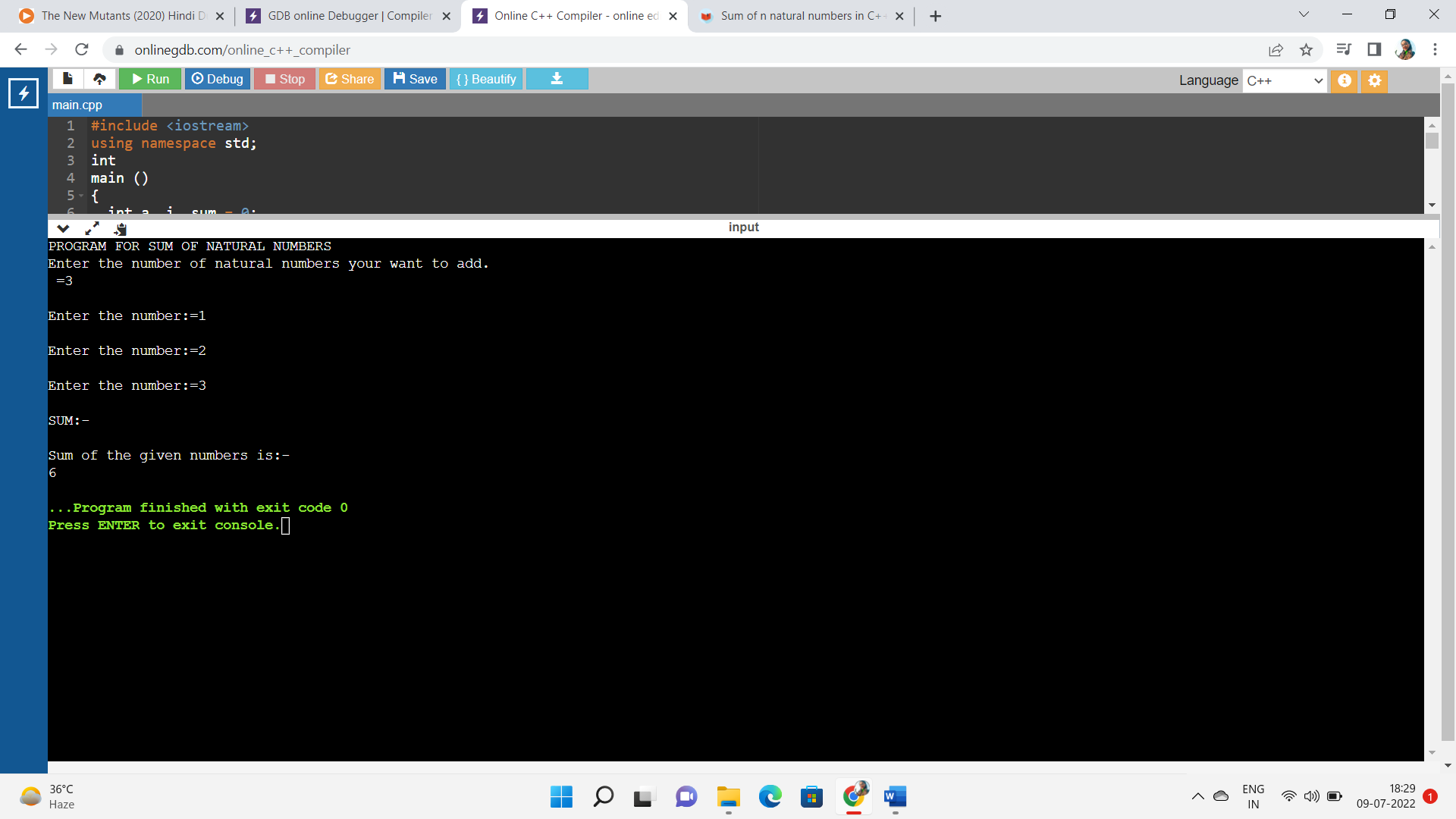
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Question: - write a c++ program to find the sum of n natural numbers.

Code: -

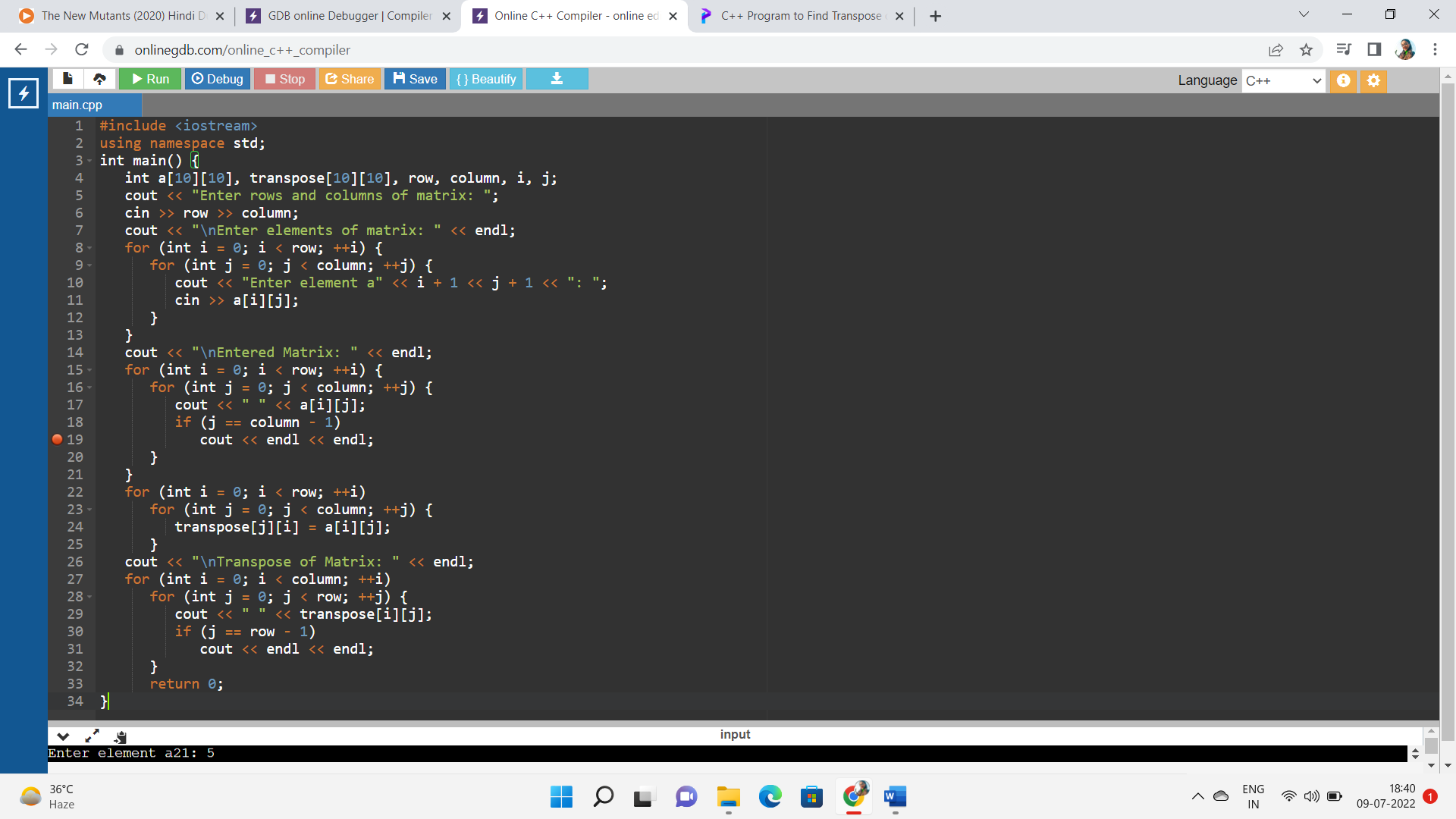


Output : -

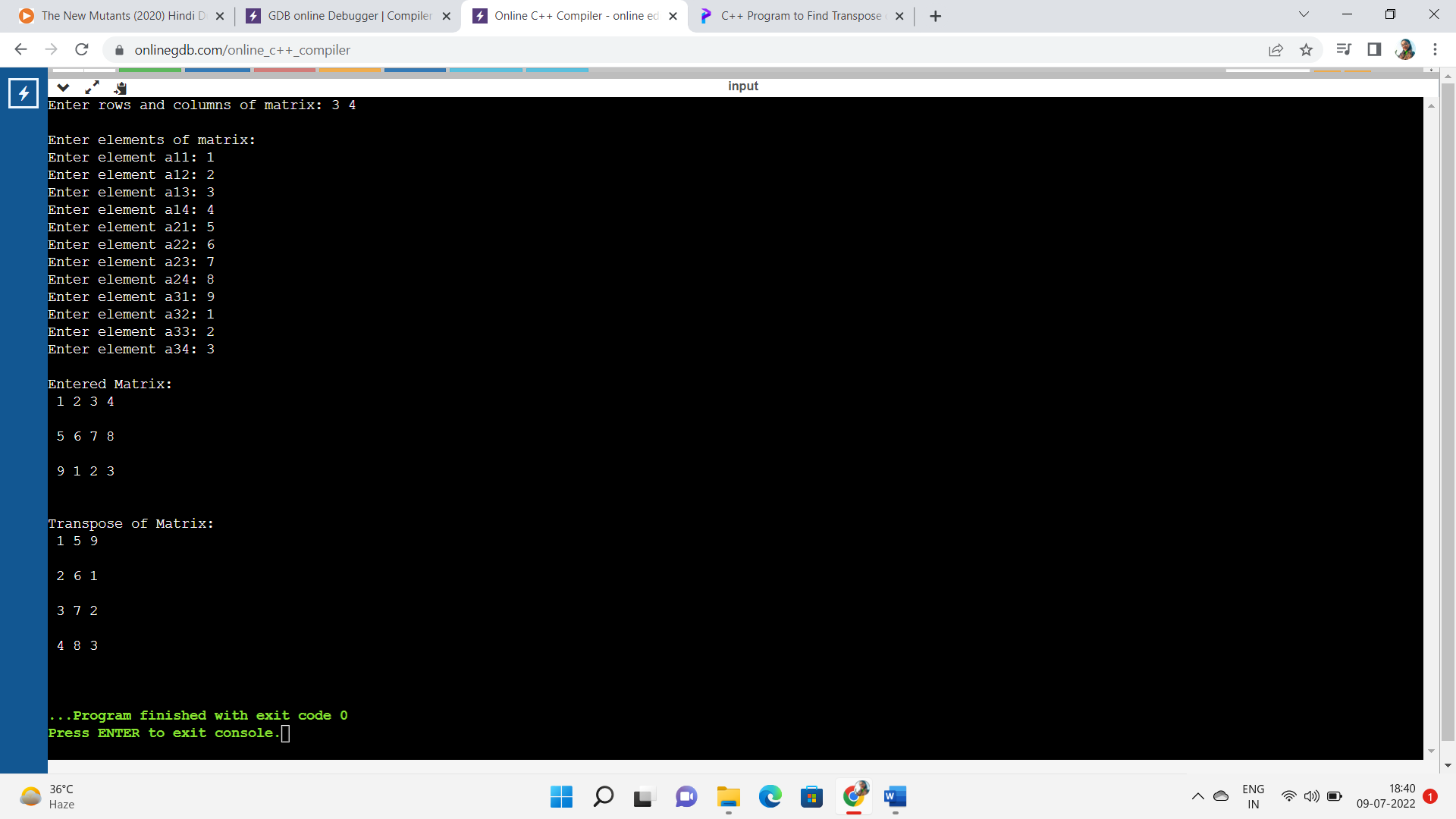


Question: - write a c++ program to find transpose of a matrix.

Code: -

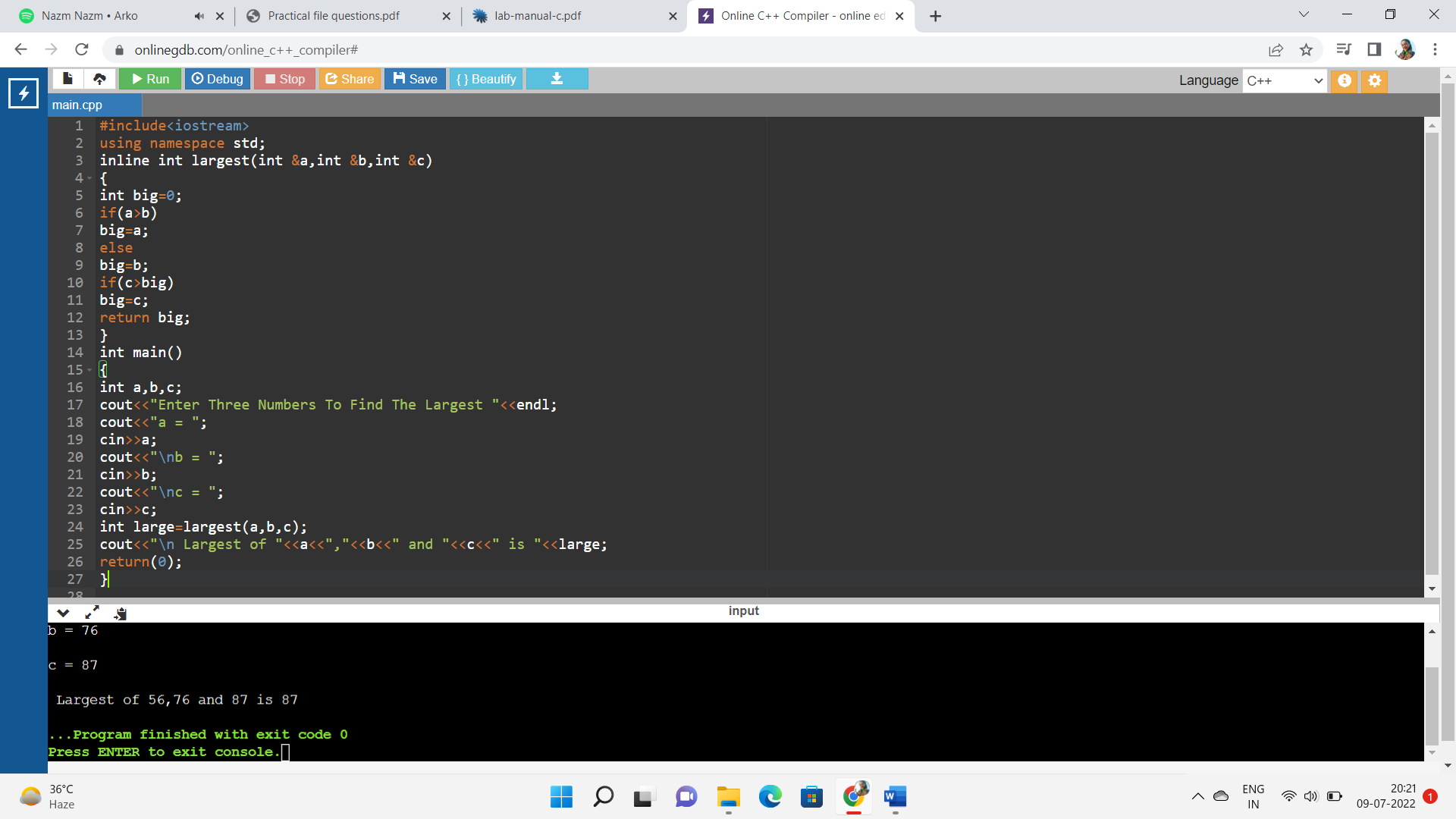


Output : -

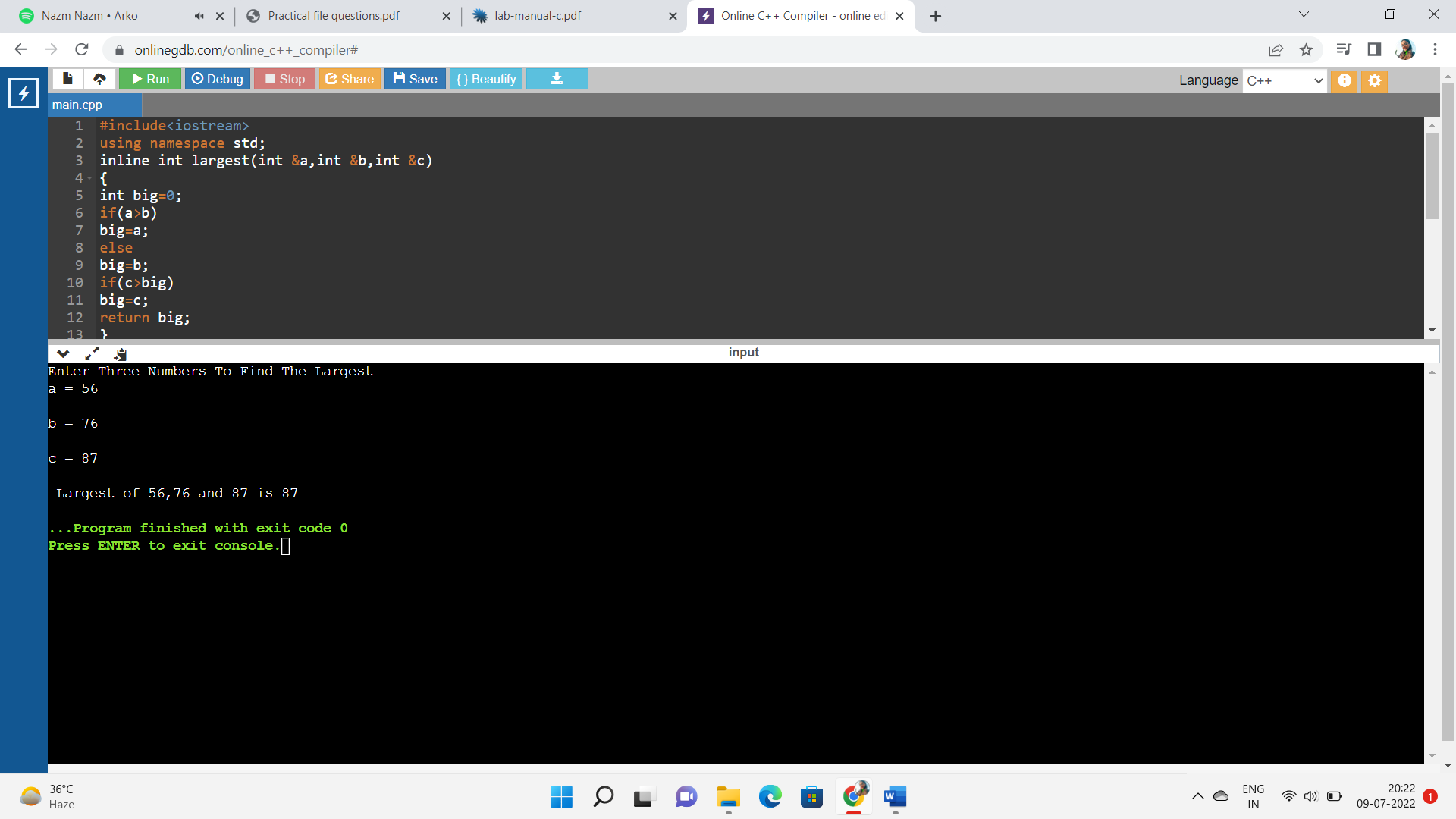


Question: - Write a macro that obtains the largest of three number using inline function? Test the function using a main program

Code: -

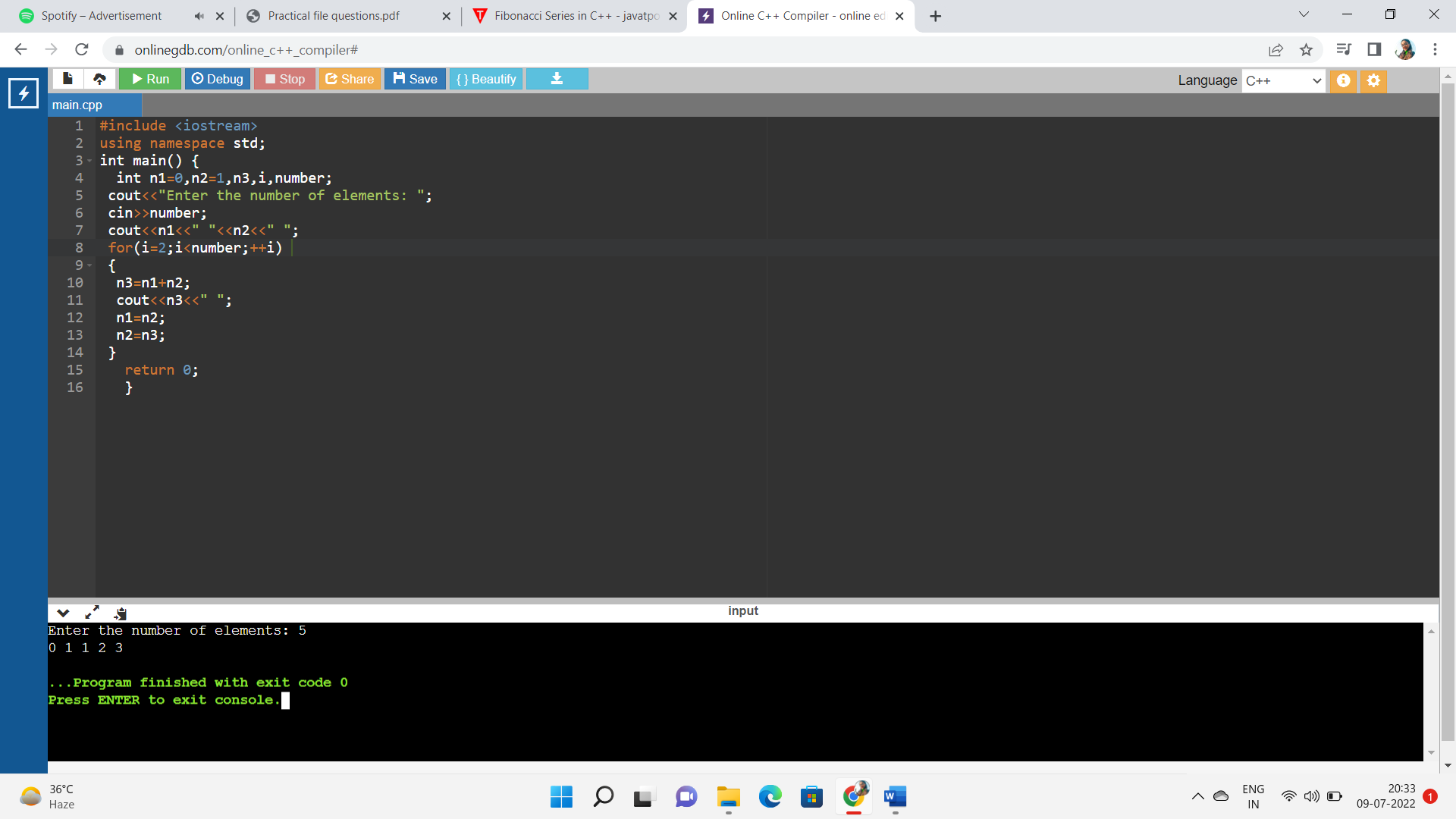


Output : -

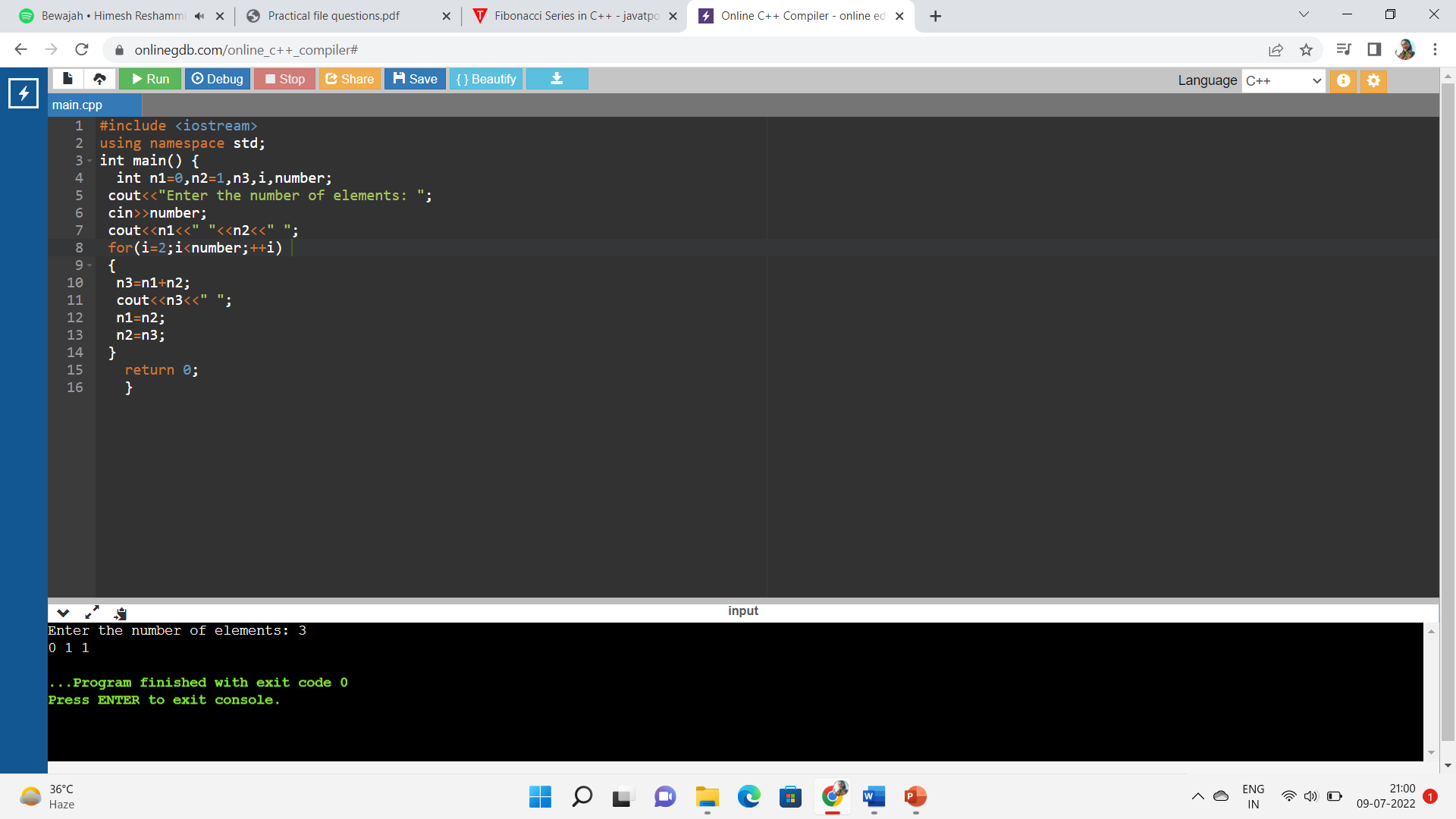


Question: - Write a program to print Fibonacci series using recursion?

Code: -

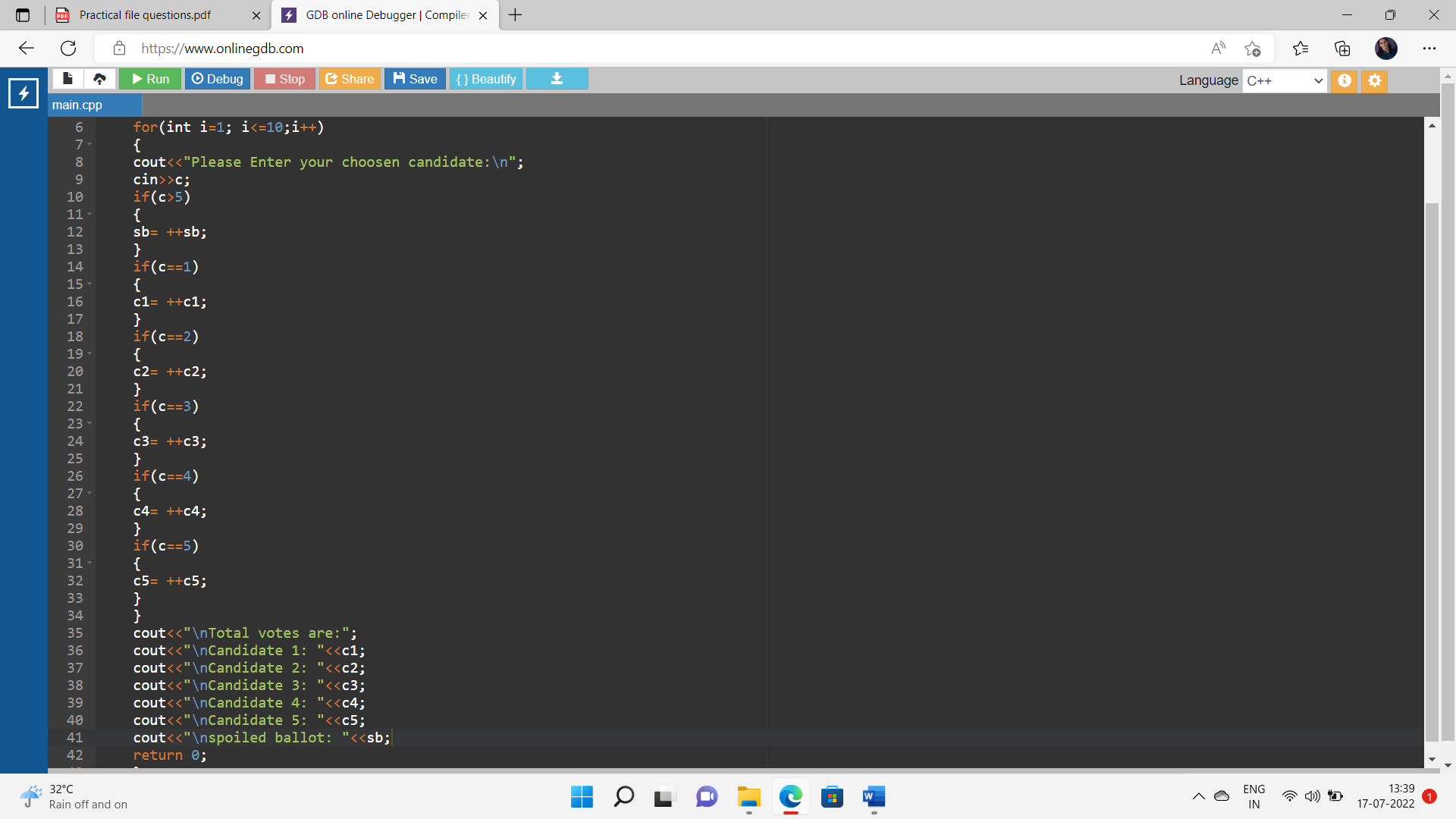


Output : -

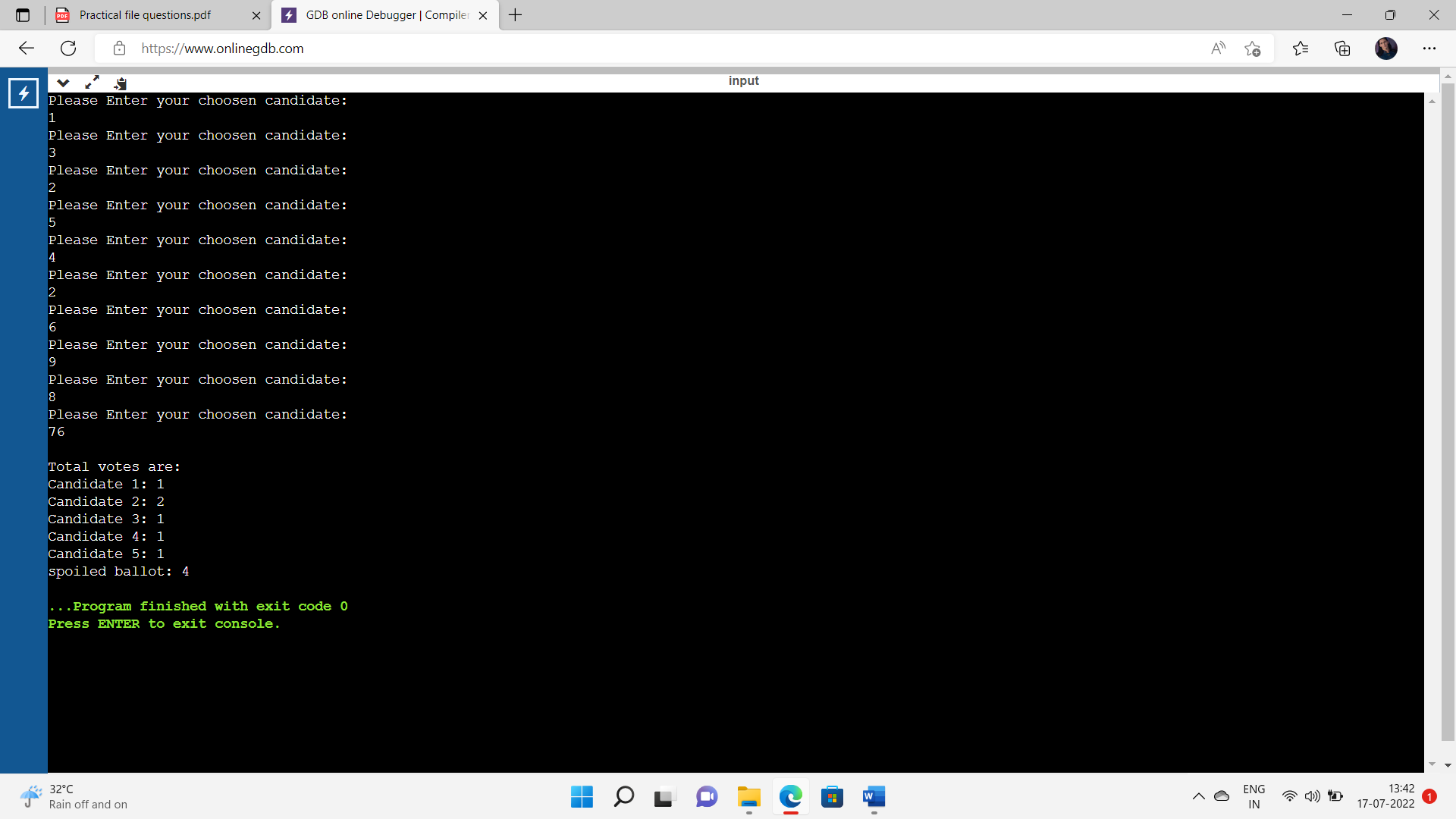


Question. An election is contested by five candidates. The candidates are numbered 1 to 5 and the voting is done by marking the candidate number on the ballot paper. WAP to read the ballots and count the votes cast for each candidate using an array variable count. In case, a number read is outside the range 1to 5, the ballot should be considered as a ‘spoilt ballot’, and the program should also count the number of spoilt ballots.

Code:

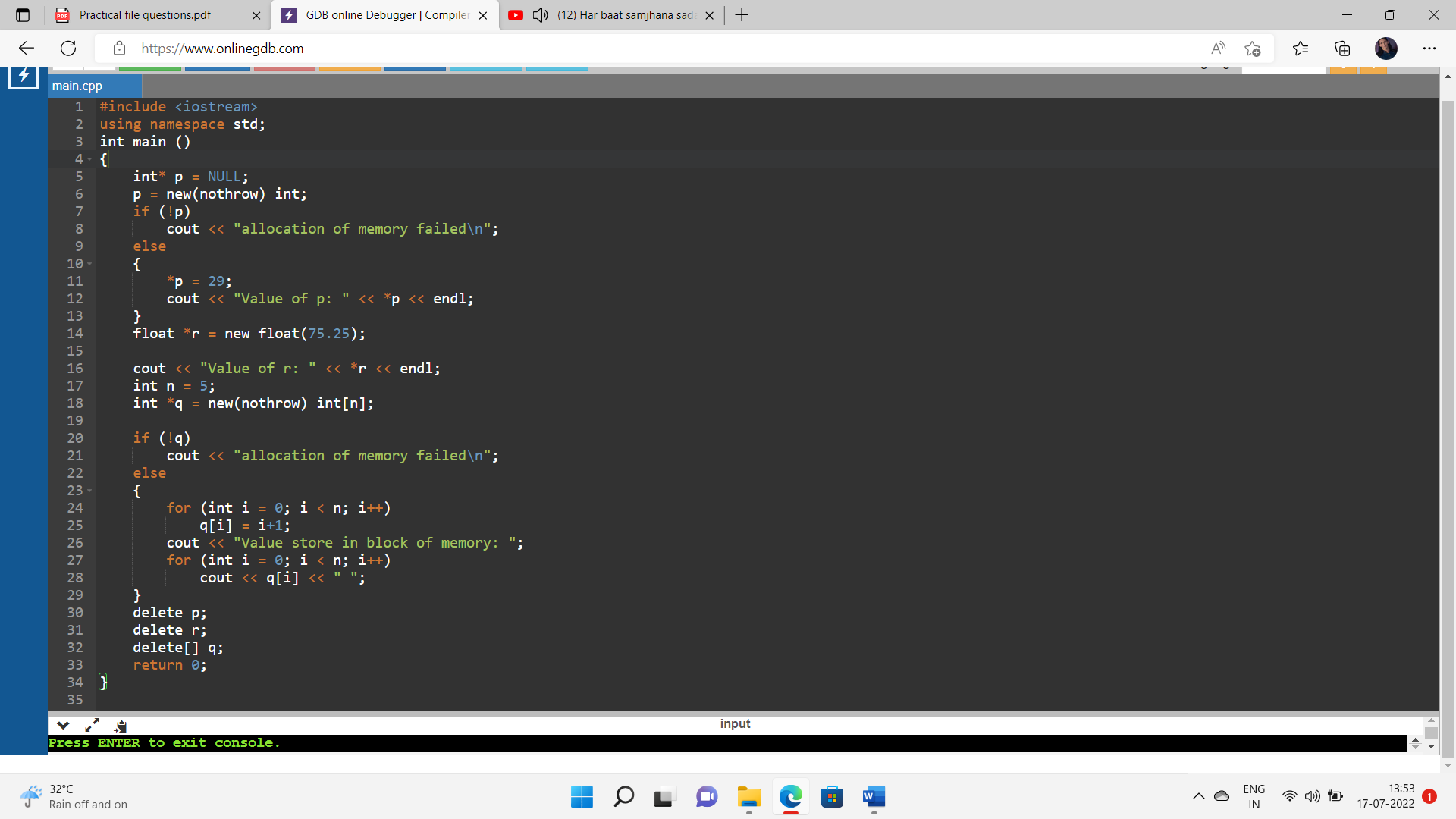


Output:-

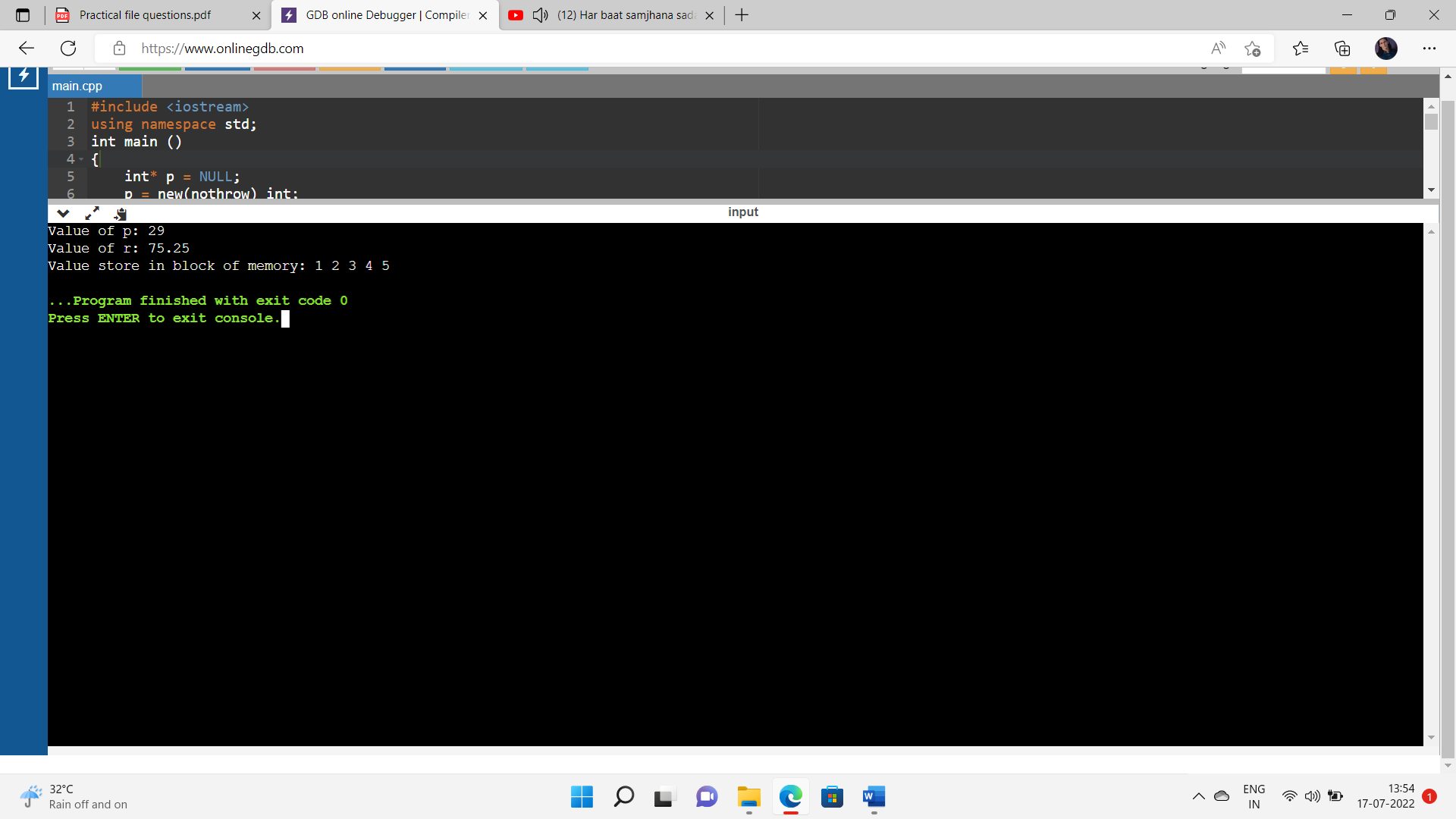


Question. Demonstrate the use of use of new and delete operators for dynamic allocation and deallocation of memory?

Code:-

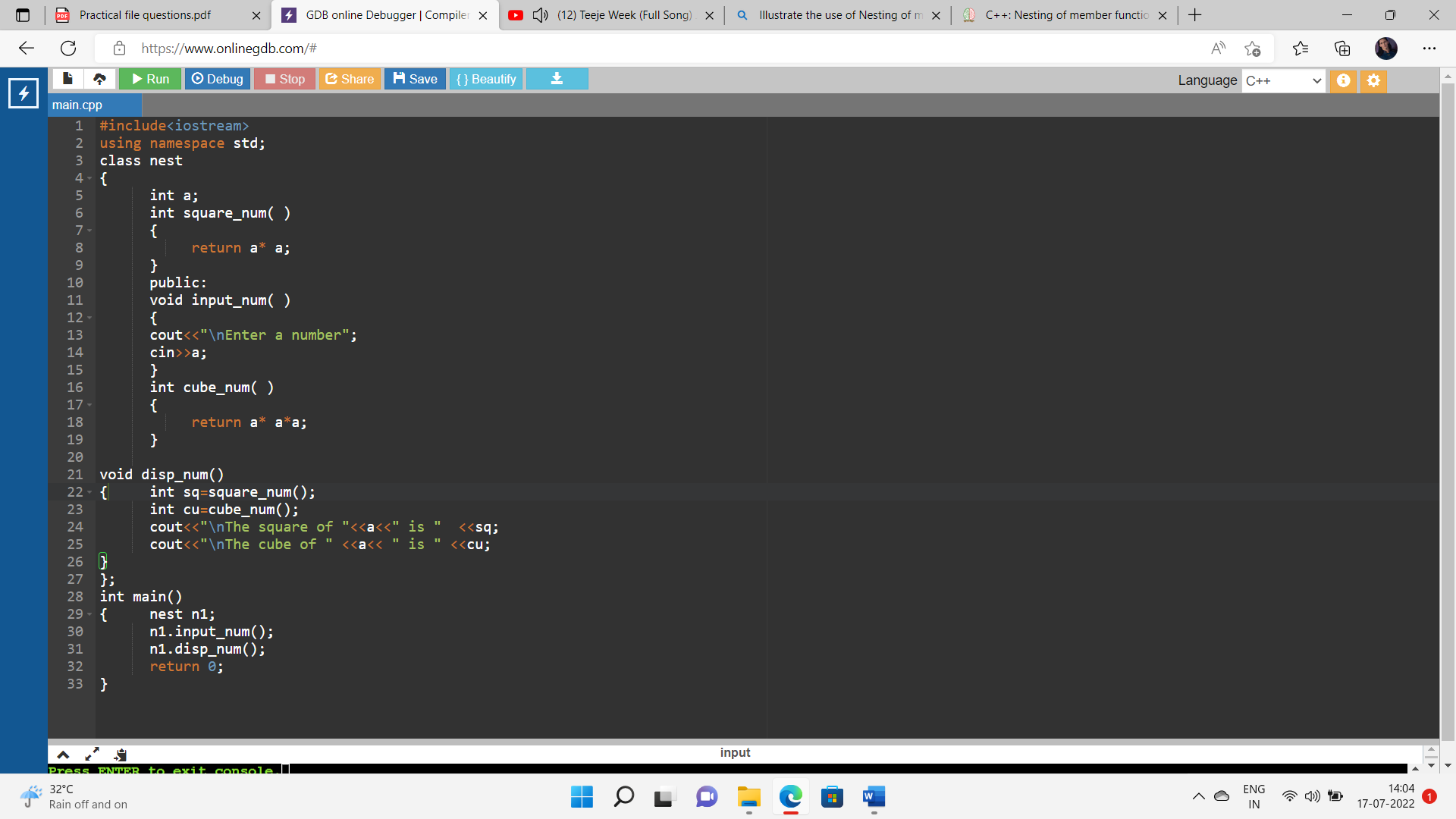


Output:-

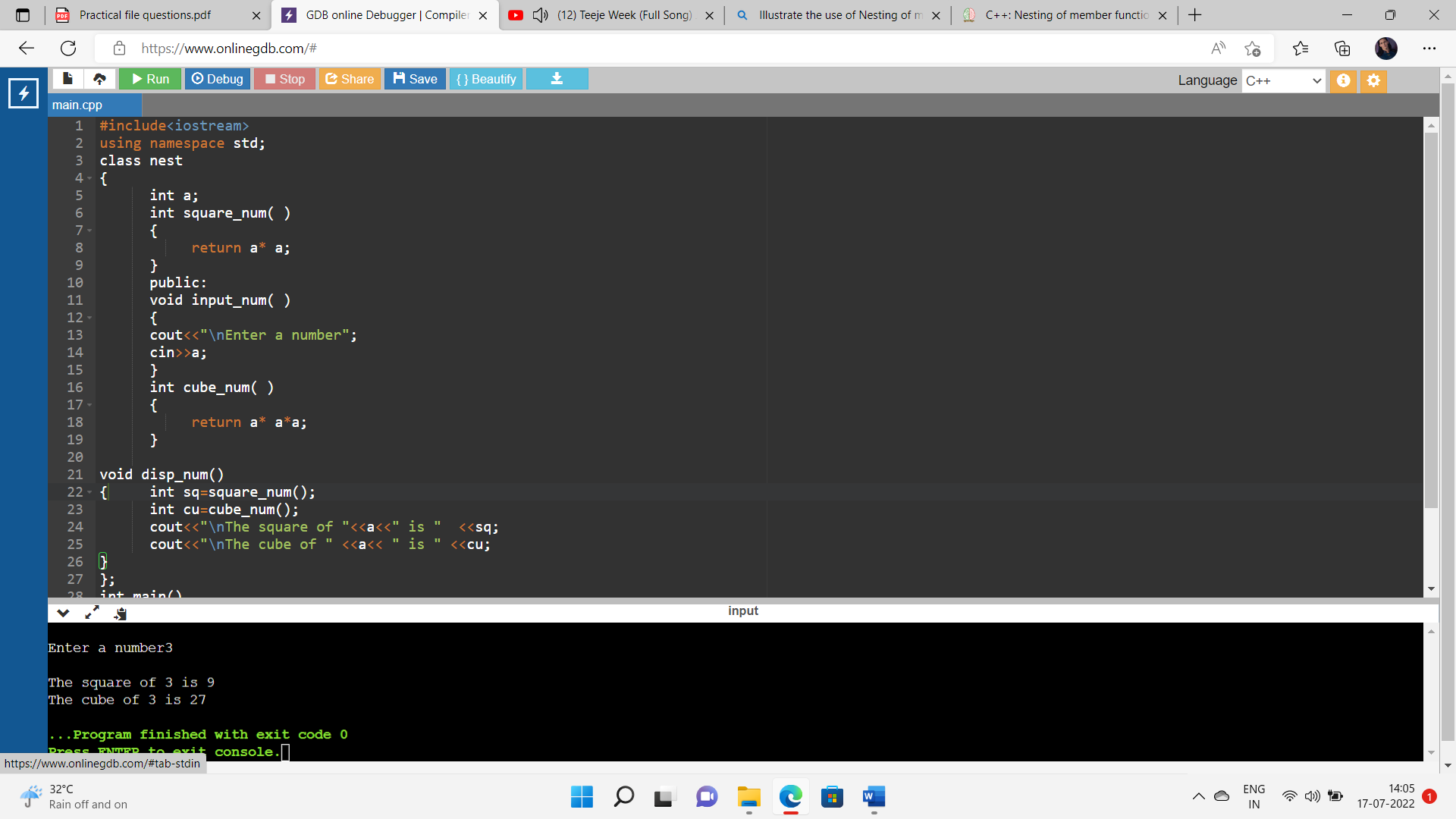


Q8. Illustrate the use of Nesting of member function?

Code:-

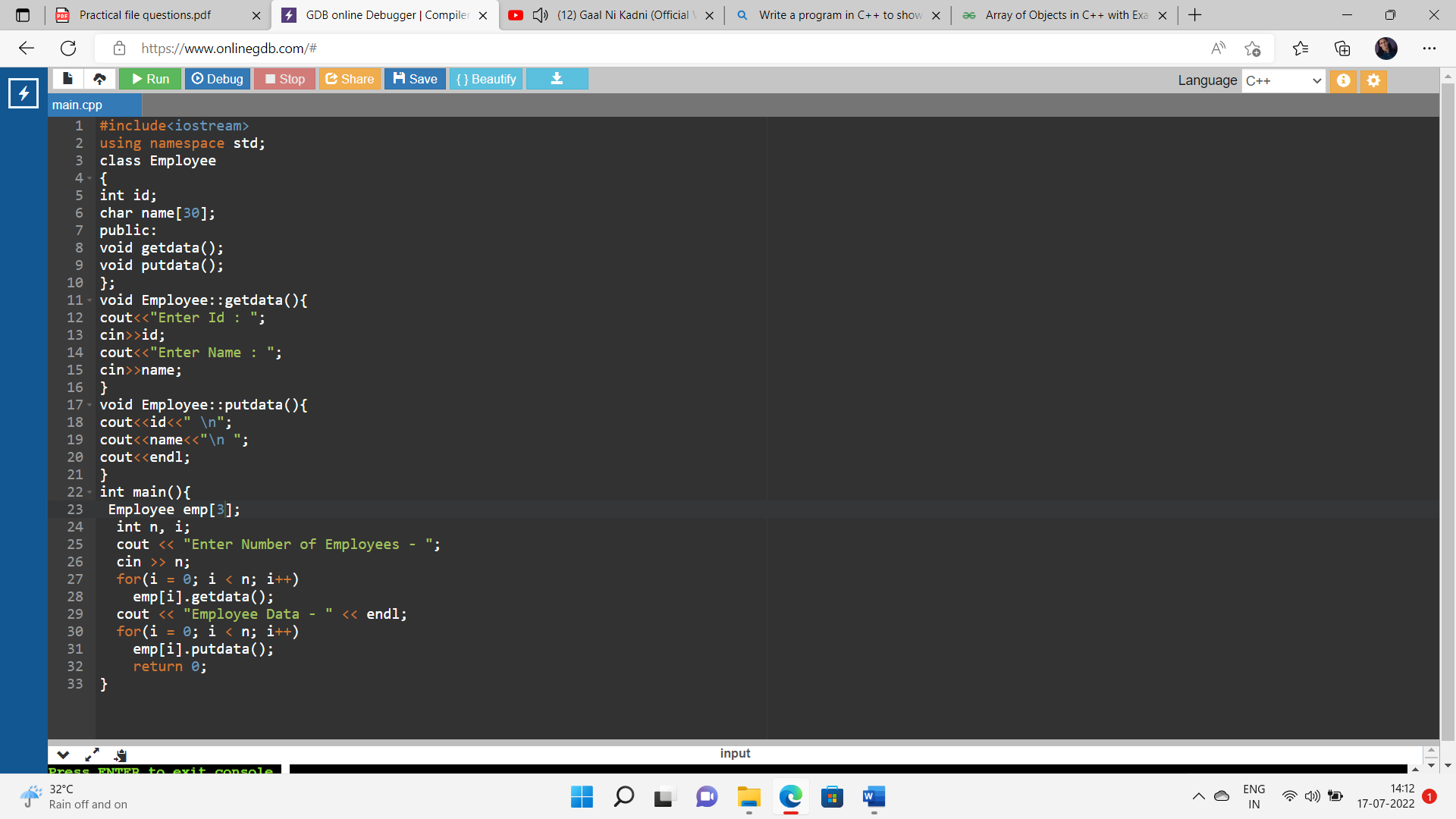


Output:-

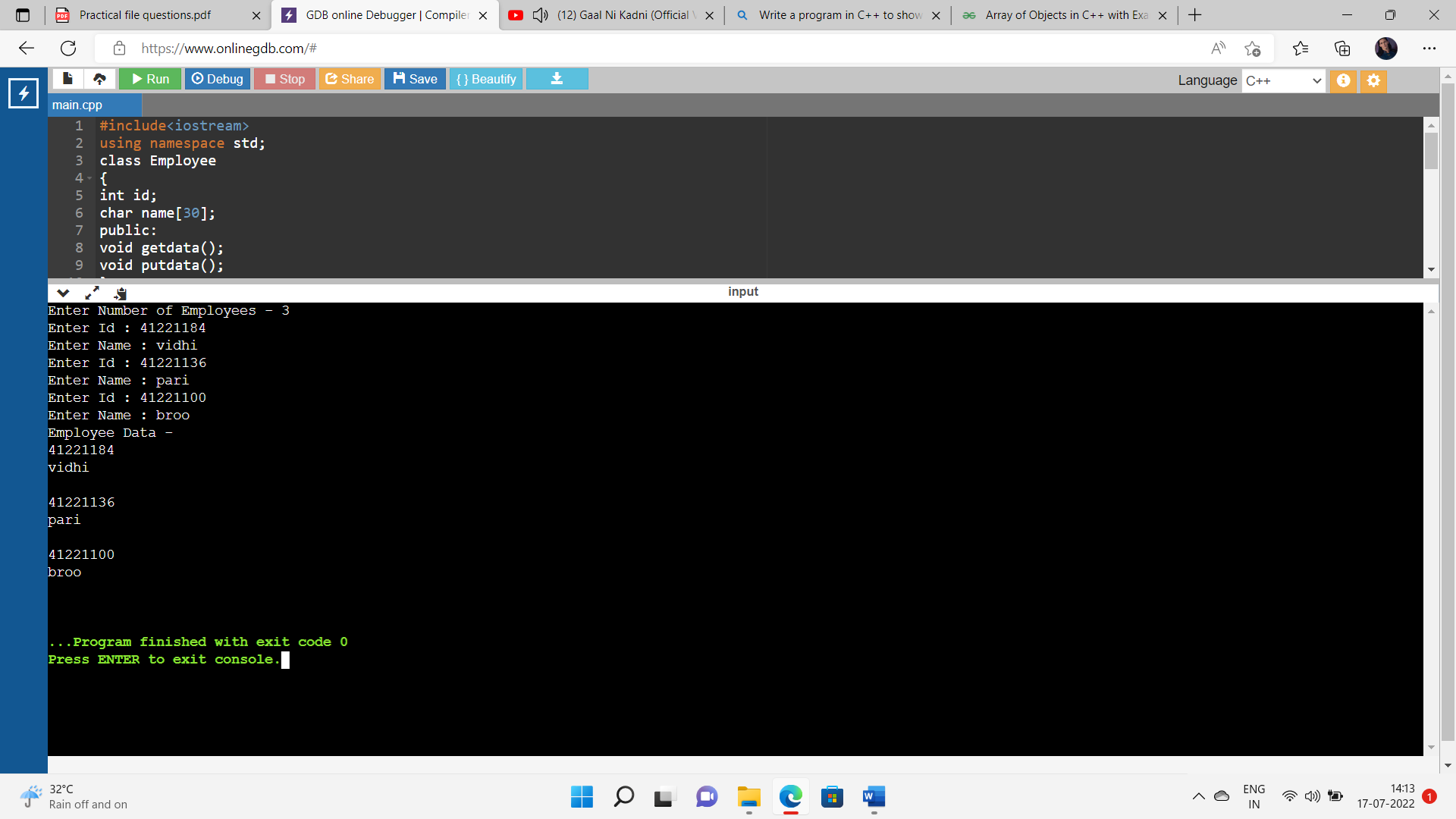


Question. Write a program in C++ to show the usage of Array of Object?

Code:-

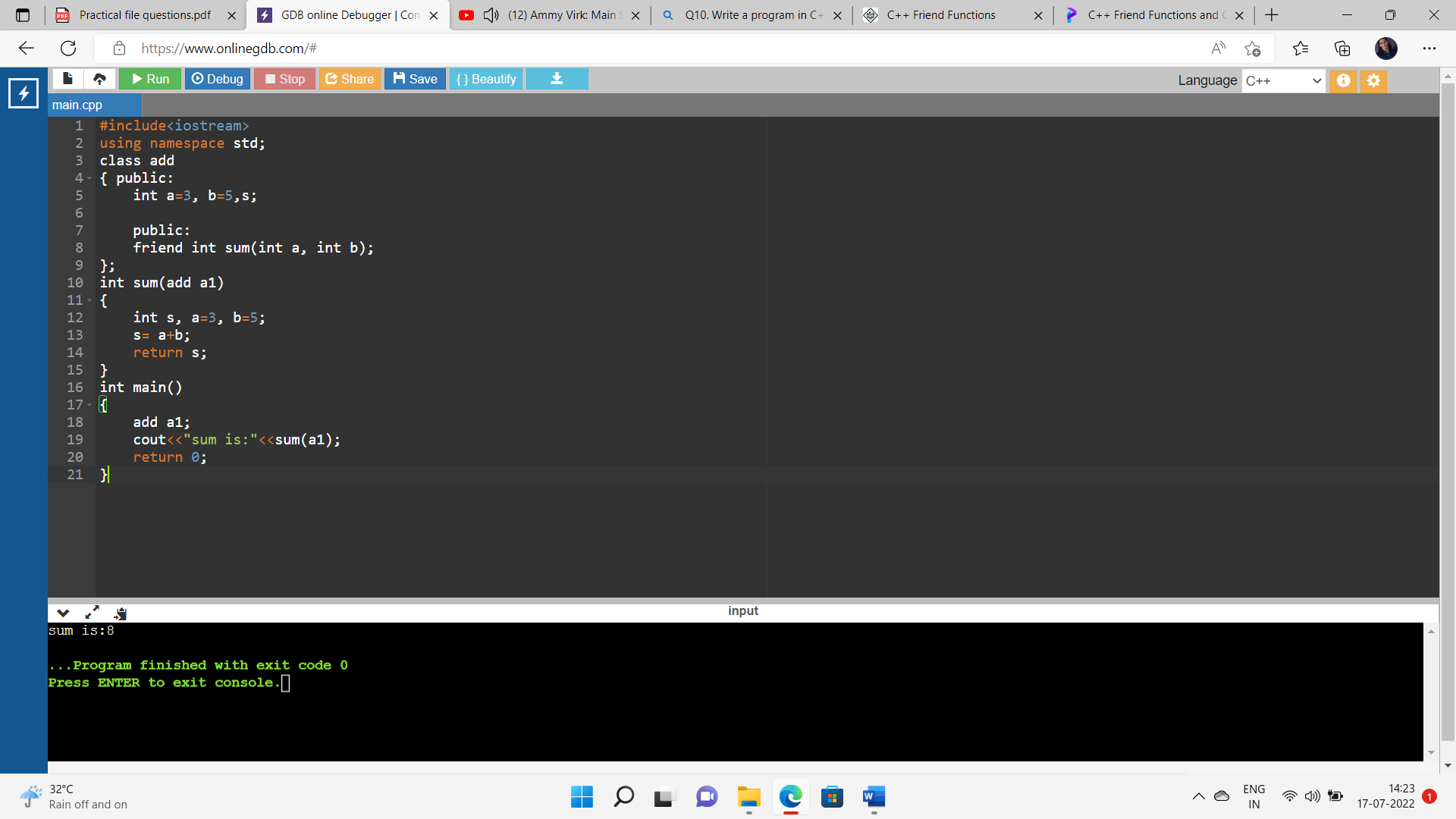


Output:-



Q10. Write a program in C++ to explain the working of friend function by adding member of two different classes?

Code:-



Output:-

