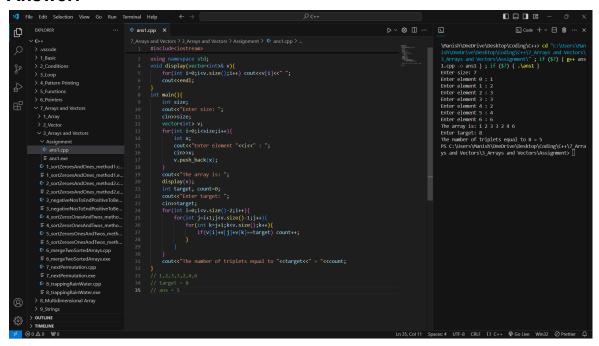
Assignment (Arrays-3)

Q1. Count the number of triplets whose sum is equal to the given value x.

Answer:



Q2. Find the factorial of a large number.

Answer:

Q3. Find the first non-repeating element in the array.

Answer:

```
File Edit Selection View Go Run Terminal Help
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ··· G· ans3.cpp X
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ▷ ∨ ② □ … ▷
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ∑ Code + ∨ ⊟ 🛍 ··· ×
    £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vanish\Onedrive\Desktop\Coding\C++> cd "c:\Users\Vanish\Onedrive\Desktop\Coding\C++\7_Arrays and \Vectors\3_Arrays and \Vectors\3_Arrays and \Vectors\$\sigmant\"; if \(\xi\)? \(\xi\) \(\xi\) = Ass 3_Arrays and \(\xi\) \(\xi\) \(\xi\) \(\xi\) = \(\xi\) \
                                            > .vscode
> 1_Basic
> 2_Conditions
                                                                                                                                                                                                                                                                                   3  #include <climits>
4  using namespace std;
5  int firsthonRepeatingElement(const vector<int>& arr) {
6  int maxValue = 10000;
7  vector<int> count(maxValue, 0);
8  vector<int> int firstIndex(maxValue, INT_MAX);
9  for (int i = 0; i < arr.size(); i++) {
10  int num = arr[i];
11  count(num|++);
12  if (firstIndex[num] == INT_MAX) {
13  firstIndex[num] = i;
14  }</pre>
                                            > 3_Loop
> 4_Pattern Printing
> 5_Functions
> 6_Pointers

> 7_Arrays and Vectors
> 1_Array
> 2_Vector
                                                                                                                                                                                                                                                                                                                                }
int minindex = INT MAX;
for (int i = 0; i < maxValue; i++) {
    if (count[i] == 1 && firstIndex[i] < minIndex) {
        minIndex = firstIndex[i];
}
                                                             G ans3.cpp

■ ans3.exe

    □ 1_sortZeroesAndOnes_method1.e...
    □ 2_sortZeroesAndOnes_method2.c...
    □ 2_sortZeroesAndOnes_method2.e...
                                                                  G 3_negativeNosToEndPositiveToBe...

    € 6_mergeTwoSortedArrays.exe
    € 7_nextPermutation.cpp
    € 7_nextPermutation.exe
```

Q4. Check if an array is a subset of another.

Answer:

```
| Direction | Fee | Cold | Selection | View | Cold | Cold
```