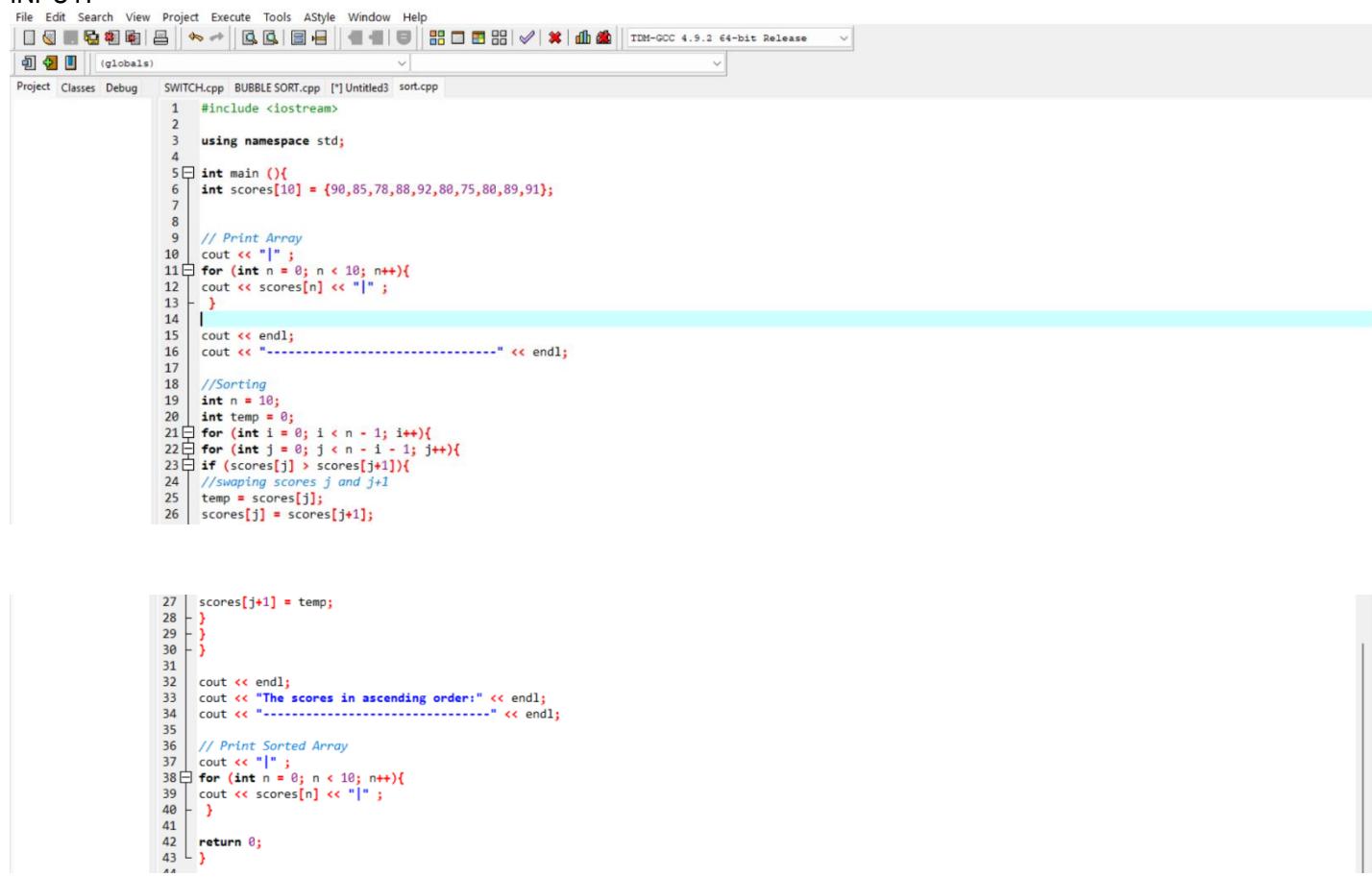| Activity No. <n>	
<Replace with Title>	
Course Code: CPE008	**Program:** Computer Engineering
Course Title: Programming Logic and Design	**Date Performed:**09/09/25
Section: CPE11S1	**Date Submitted:**09/11/25
Name(s): Cenndy M. Nieles	**Instructor:** Engr. Jimlord Quejado
6. Output	
7. Supplementary Activity	

INPUT:

```cpp
#include <iostream>

using namespace std;

int main (){
    int scores[10] = {90,85,78,88,92,80,75,80,89,91};

    // Print Array
    cout << "|" ;
    for (int n = 0; n < 10; n++){
    cout << scores[n] << "|" ;
    }

    cout << endl;
    cout << "--------------------------------" << endl;

    //Sorting
    int n = 10;
    int temp = 0;
    for (int i = 0; i < n - 1; i++){
    for (int j = 0; j < n - i - 1; j++){
    if (scores[j] > scores[j+1]){
    //swaping scores j and j+1
    temp = scores[j];
    scores[j] = scores[j+1];


    scores[j+1] = temp;
    }
    }
    }

    cout << endl;
    cout << "The scores in ascending order:" << endl;
    cout << "--------------------------------" << endl;

    // Print Sorted Array
    cout << "|" ;
    for (int n = 0; n < 10; n++){
    cout << scores[n] << "|" ;
    }

    return 0;
}
```

INPUT:

```
C:\Users\joyni\OneDrive\C  ✕    +  ∨                                    —   ☐   ✕

|90|85|78|88|92|80|75|80|89|91|
-------------------------------

The scores in ascending order:
-------------------------------
|75|78|80|80|85|88|89|90|91|92|
-------------------------------
Process exited after 0.301 seconds with return value 0
Press any key to continue . . . |
```

8. Conclusion

The bubble sort they comparing thought the list, comparing adjustment elements, and swapping them if they in wrong order to get a exact output and to understand and implement the problem. This topic to show how to swap a problem and to explain how the bubble sort works and steps so that the output is able to run correctly without an error .Here in input it show's and explain the step how to get correct output in bubble sort step by step .Bubble sort is a simple but powerful way to arrange the number you need to check it properly in order and it take a several passes until everything is correct is sorted and that I can stop early if no more swaps are needed. It's challenging to make a bubble sort and I'm so confusing lots of error and this problem it can help to my mind to extend the understanding and focused how the sorting works step by step until my output and the result its correct.

9. Assessment Rubric