LAB MANUAL:8

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SECTION:C

HOME TASK:
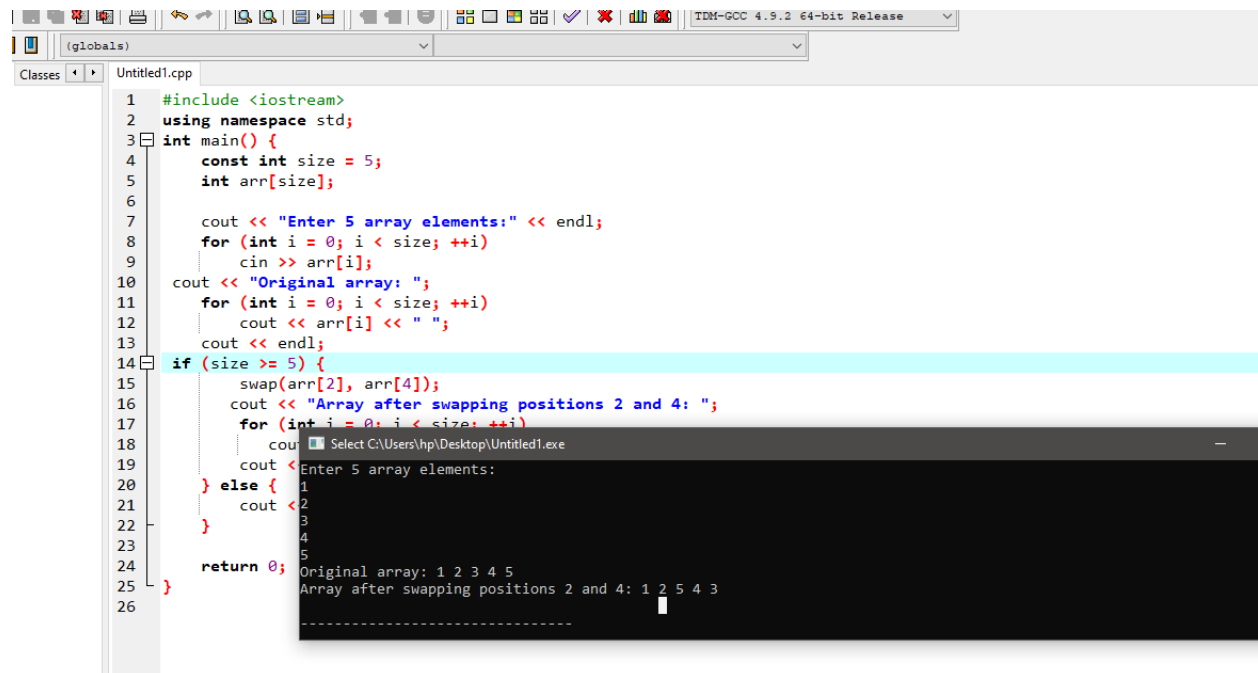
Question:1
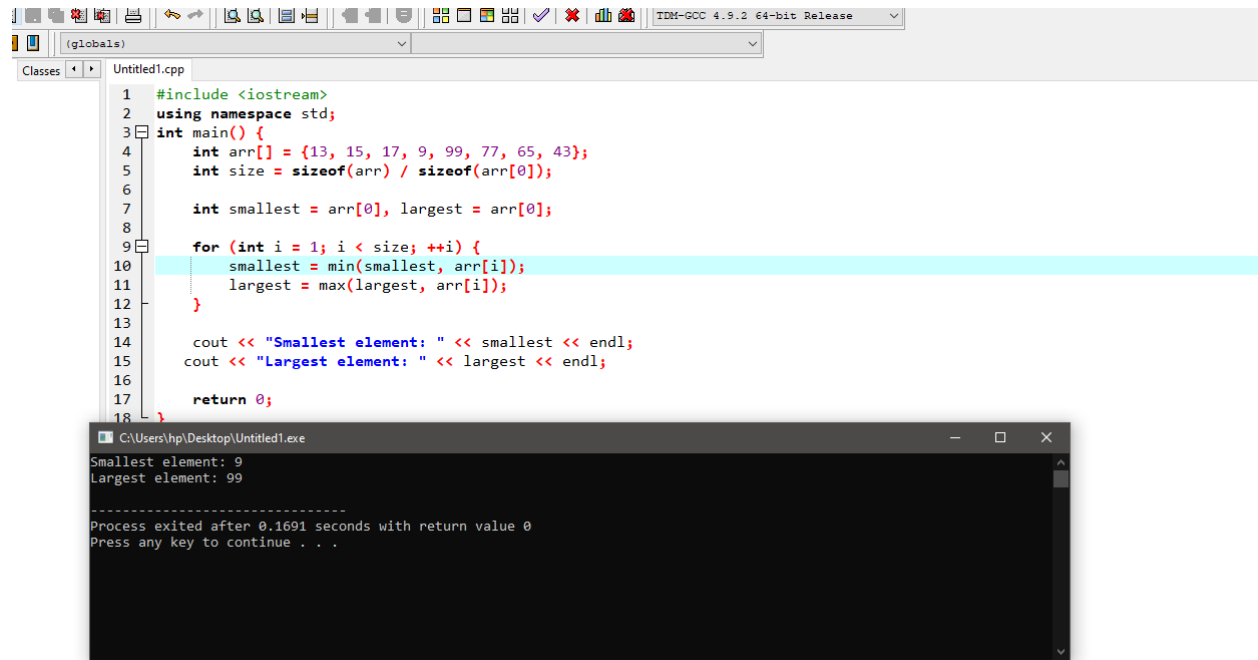
Question:2

```cpp
#include <iostream>
using namespace std;
int main() {
    int arr[] = {13, 15, 17, 9, 99, 77, 65, 43};
    int size = sizeof(arr) / sizeof(arr[0]);

    int smallest = arr[0], largest = arr[0];

    for (int i = 1; i < size; ++i) {
        smallest = min(smallest, arr[i]);
        largest = max(largest, arr[i]);
    }

    cout << "Smallest element: " << smallest << endl;
    cout << "Largest element: " << largest << endl;

    return 0;
}
```

```
C:\Users\hp\Desktop\Untitled1.exe
Smallest element: 9
Largest element: 99

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Process exited after 0.1691 seconds with return value 0
Press any key to continue . . .
```

Question:3

```cpp
#include <iostream>
using namespace std;
int main() {
    const int size = 5;
    int arr[size];

    cout << "Enter 5 array elements:" << endl;
    for (int i = 0; i < size; ++i)
        cin >> arr[i];
    cout << "Original array: ";
    for (int i = 0; i < size; ++i)
        cout << arr[i] << " ";
    cout << endl;
    if (size >= 5) {
        swap(arr[2], arr[4]);
        cout << "Array after swapping positions 2 and 4: ";
        for (int i = 0; i < size; ++i)
            cout <<
            cout <<
    } else {
        cout <<
    }

    return 0;
}
```

```
Select C:\Users\hp\Desktop\Untitled1.exe
Enter 5 array elements:
1
2
3
4
5
Original array: 1 2 3 4 5
Array after swapping positions 2 and 4: 1 2 5 4 3
------------------------------
```