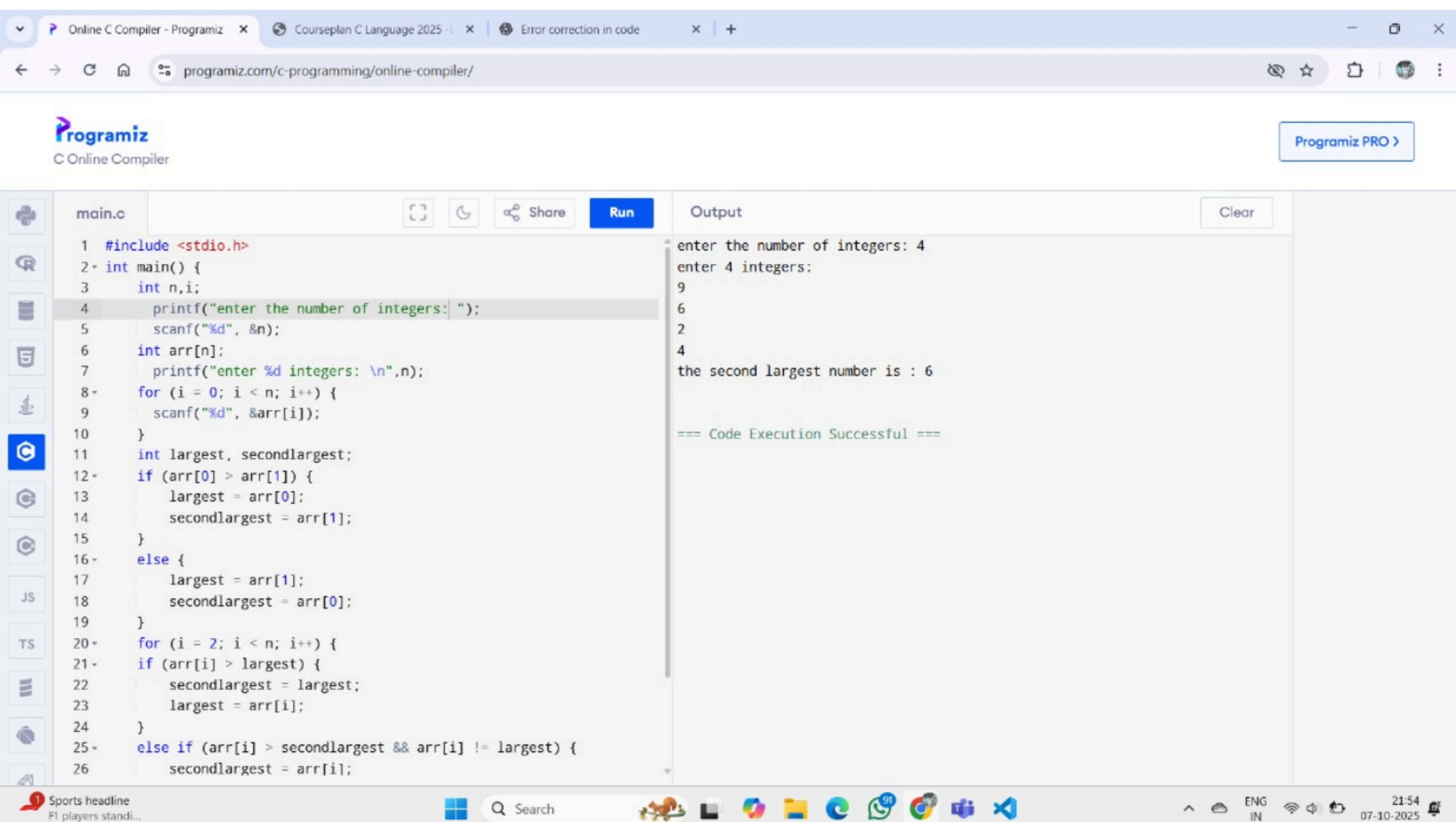


```
1) #include <stdio.h>
int main () {
    int n, i,
    printf ("Enter the number of integers: ");
    scanf ("%d", &n);
    int arr[n]
    printf ("Enter %d integers: \n", n);
    for (i=0; i<n; i++) {
        scanf ("%d", &arr[i]);
    }
    int largest, second_largest;
    if (arr[0] > arr[1]) {
        largest = arr[0];
        second_largest = arr[1];
    } else {
        largest = arr[1];
        second_largest = arr[0];
    }
    if (i=0; i<n; i++) {
        if (arr[i] > largest) {
            second_largest = largest;
            largest = arr[i];
        } else if (arr[i] > second_largest && arr[i] != largest)
            second_largest = arr[i];
    }
    printf ("The second largest is: %d\n", second_largest);
    return 0;
```



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main.c

```
6 int arr[n];
7 printf("enter %d integers: \n",n);
8 for (i = 0; i < n; i++) {
9     scanf("%d", &arr[i]);
10 }
11 int largest, secondlargest;
12 if (arr[0] > arr[1]) {
13     largest = arr[0];
14     secondlargest = arr[1];
15 }
16 else {
17     largest = arr[1];
18     secondlargest = arr[0];
19 }
20 for (i = 2; i < n; i++) {
21 if (arr[i] > largest) {
22     secondlargest = largest;
23     largest = arr[i];
24 }
25 else if (arr[i] > secondlargest && arr[i] != largest) {
26     secondlargest = arr[i];
27 }
28 }
29 printf("the second largest number is : %d\n", secondlargest);
30 return 0;
31 }
```

Run Output Clear

enter the number of integers: 4
enter 4 integers:
9
6
2
4
the second largest number is : 6
== Code Execution Successful ==

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