

main.c

Output

```
1  #include <stdio.h>
2  #include <limits.h>
3
4  int main() {
5      int n, i;
6
7      printf("Enter the number of elements in the array: ");
8      scanf("%d", &n);
9
10     int arr[n];
11     printf("Enter %d elements:\n", n);
12     for (i = 0; i < n; i++) {
13         scanf("%d", &arr[i]);
14     }
15
16     int largest = INT_MIN;
17     int secondLargest = INT_MIN;
18
19     for (i = 0; i < n; i++) {
20         if (arr[i] > largest) {
21             secondLargest = largest;
22             largest = arr[i];
23         } else if (arr[i] > secondLargest && arr[i] != largest) {
24             secondLargest = arr[i];
25         }
26     }
27
28     if (secondLargest == INT_MIN) {
29         printf("No second largest element exists.\n");
30     } else {
31         printf("The second largest element is: %d\n", secondLargest);
32     }
33
34     return 0;
35 }
```

Run