

Exp-5

5.1. #include &lt;stdio.h&gt;

```

int main() {
    int n, i, largest, second;
    printf("Enter number of elements: ");
    scanf("%d", &n);
    int arr[n];
    for (i = 0; i < n; i++) scanf("%d", &arr[i]);

    largest = second = -2147483648;
    for (i = 0; i < n; i++) {
        if (arr[i] > largest) {
            second = largest;
            largest = arr[i];
        } else if (arr[i] > second && arr[i] != largest) {
            second = arr[i];
        }
    }

    if (second == -2147483648)
        printf("No second largest element\n");
    else
        printf("Second largest = %d\n", second);
    return 0;
}

```

Teacher's Signature .....



C main.c M X

C main.c &gt; main()

```
1  #include <stdio.h>
2
3  int main() {
4      int n, i, largest, second;
5      printf("Enter number of elements: ");
6      scanf("%d", &n);
7      int arr[n];
8      for(i=0; i<n; i++) scanf("%d", &arr[i]);
9
10     largest = second = -2147483648;
11     for(i=0; i<n; i++) {
12         if(arr[i] > largest) {
13             second = largest;
14             largest = arr[i];
15         } else if(arr[i] > second && arr[i] != largest) {
16             second = arr[i];
17         }
18     }
19     if(second == -2147483648)
20         printf("No second largest element\n");
21     else
22         printf("Second largest = %d\n", second);
23     return 0;
24 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
● abhaygupta@Abhays-MacBook-Air main.c % gcc main.c
● abhaygupta@Abhays-MacBook-Air main.c % ./a.out
Enter number of elements: 4
23
22
24
25
Second largest = 24
❖ abhaygupta@Abhays-MacBook-Air main.c %
```