

Exp-5

5.1. #include <stdio.h>

```
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 in");
else
    printf("Second largest = %d\n", second);
```

return 0;

Teacher's Signature

...

C main.c M X

C main.c > 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 }
```

M

U

U

U

M

U

U

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

- abhaygupta@Abhay's-MacBook-Air main.c % gcc main.c
- abhaygupta@Abhay's-MacBook-Air main.c % ./a.out
Enter number of elements: 4
23
22
24
25
Second largest = 24

abhaygupta@Abhay's-MacBook-Air main.c %