Exp-5

5.1_

```c
#include <stdlib.h>

int main () {
    int n, i, largest, second;
    Printf ("Enter number of elements:");
    Sconf ("%d", &n);
    int arr [n];
    for (i=0; i<n; i++) sconf ("%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 longest = %d\n", second);
    return 0;
}
```

C *main.c* M ✕

C main.c > ⊕ main()

```c
#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\n");
    else
        printf("Second largest = %d\n", second);
    return 0;
}
```

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 %
```

△ 0