

Experiment - 5

Q.1 WPP to read a list of integers and store it in a single dimensional array. Write a C program to print the second largest integer in a list of integers.

```
#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
```

Remarks:

Teacher's Signature _____

