

```

/*
Exp : 7 (Task 1)
Title : WAP to find the second largest element in an array.
Name : Ayan Nadaf
UIN : 241P019
Branch: Computer Engineering
Div : C-1
*/
#include <stdio.h>
int main() {
    int n, i, largest, secondLargest;
    printf("Enter the size of the array: ");
    scanf("%d", &n);
    int arr[n];
    printf("Enter %d elements:\n", n);
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }

    largest = secondLargest = -2147483648;
    for (i = 0; i < n; i++) {
        if (arr[i] > largest) {
            secondLargest = largest;
            largest = arr[i];
        } else if (arr[i] > secondLargest && arr[i] != largest) {
            secondLargest = arr[i];
        }
    }
    if (secondLargest == -2147483648) {
        printf("No second largest element found.\n");
    } else {
        printf("The second largest element is %d\n", secondLargest);
    }
    return 0;
}
/*
****OUTPUT:****
Enter the size of the array: 3
Enter 3 elements:
4
3
2
The second largest element is 3
*/

```