```c
#include <stdio.h>

int main() {
    int n, i;
    int arr[100];
    int largest, second_largest;

    printf("Enter number of elements: ");
    scanf("%d", &n);

    printf("Enter %d integers:\n", n);
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }

    largest = arr[0];
    second_largest = arr[0];

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

    printf("\nSecond largest number = %d\n", second_largest);

    return 0;
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
PS D:\chetan_projects>  & 'c:\Users\DELL\.vscode\extensions\ms-vscode.cp
-In-q5tla1ko.wkj' '--stdout=Microsoft-MIEngine-Out-4xvhjrss.fwd' '--stde
=C:\msys64\ucrt64\bin\gdb.exe' '--interpreter=mi'
Enter number of elements: 3
Enter 3 integers:
6
3
9

Second largest number = 6
PS D:\chetan_projects>
```

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```c
#include <stdio.h>
int main() {
    int n, i;
    int arr[100];

    int largest, second - largest;
    printf("Enter no. of elements:");
    scanf("%d", &n);
    printf("Enter %d integers : \n", n);
    for (i=0; i<n; i++) {
        scanf("%d", &arr[i]);
    }
    largest = arr[0];
    second-largest = arr[0];
    for (i=0; i<n; i++) {
        if (arr[i] > largest) {
            second-largest = largest;
            largest = arr[i];
        } else if (arr[i] > second largest && arr[i] != largest) {
            second-largest = arr[i];
        }
    }
    printf("\n Second largest number = %d \n", second largest);
    return 0;
}
```

Output

Enter no. of elements : 3
Enter 3 integers :
6
9
3

Second largest number = 6