



main.c



Run

Output

Clear

```
1 #include <stdio.h>
2
3 int main() {
4     int n, i;
5     int arr[100];
6
7     printf("Enter number of elements: ");
8     scanf("%d", &n);
9
10    printf("Enter %d elements:\n", n);
11    for (i = 0; i < n; i++) {
12        scanf("%d", &arr[i]);
13    }
14
15    int smallest = arr[0];
16    int largest = arr[0];
17
18    for (i = 1; i < n; i++) {
19        if (arr[i] < smallest)
20            smallest = arr[i];
21        if (arr[i] > largest)
22            largest = arr[i];
23    }
24
25    printf("Smallest element = %d\n", smallest);
26    printf("Largest element = %d\n", largest);
27
28    return 0;
29 }
```

Enter number of elements: 2

Enter 2 elements:

6

7

Smallest element = 6

Largest element = 7

==== Code Execution Successful ===

Program to find the largest and smallest element in an array.

I/P :

```
#include <stdio.h>
int main() {
    int n, i;
    int arr[100];
    printf ("Enter number of elements : ");
    scanf ("%d", &n);
    printf ("Entered elements : \n");
    for (i=0 ; i<n ; i++) {
        scanf ("%d", &arr[i]);
    }
    int max = arr[0];
    int min = arr[0];
    for (i=1 ; i<n ; i++) {
        if (arr[i] > max)
            max = arr[i];
        if (arr[i] < min)
            min = arr[i];
    }
    printf ("Largest element = %d \n" "max");
    printf ("Smallest element = %d \n" "min");
    return 0;
}
```

O/P :

```
Enter no. of elements = 3
Enter elements = 1 2 3
Largest element = 3
Smallest element = 1
```