



main.c



Run

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

Output

Enter number of elements: 4

Enter elements:

1 2 3 4

Largest element = 4

Smallest element = 1

==== Code Execution Successful ===

Clear

① write a 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 ("Enter 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;
```

3

O/P

Enter number of elements :

Enter elements : 1 2 3 4

Largest element : 4

Smallest element = 1.