

main.c



Share

Run

Output

Clear

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

Enter number of elements: 3

Enter elements:

1

2

3

Largest element = 3

Smallest element = 1

=== Code Execution Successful ===

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;
```

```
}
```

O/P Enter number of elements: 3

Enter elements: 1 2 3

Largest element = 3

Smallest element = 1