



main.c



Run

Output

Clear

```
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];
```

```
Enter number of elements: 4
Enter elements:
1 2 3 4
Largest element = 4
Smallest element = 1

=== Code Execution Successful ===
```

Q) Write a program to find the largest and smallest element in an array

→ I/P:

1

```
#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: 4

Enter elements : 1 2 3 4

Largest element : 4

Smallest element = 1