



```
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    int max = arr[0];
12    int min = arr[0];
13    for(i = 1; i < n; i++) {
14        if (arr[i] > max)
15            max = arr[i];
16        if (arr[i] < min)
17            min = arr[i];
18    }
19    printf("Largest element = %d\n", max);
20    printf("Smallest element = %d\n", min);
21    return 0;
22 }
```

Enter number of elements: 5

Enter elements:

6

7

9

2

8

Largest element = 9

Smallest element = 2

=== Code Execution Successful ===

4) write a program to find the largest and smallest element in an array

```
#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;
}
```

Output :

Enter number of elements : 5

Enter elements :

6
7
9
2
8

Largest element = 9

Smallest element = 2