

1.

```
#include <stdio.h>

int main() {
    int n, i;
    int arr[100];
    printf("Enter number of elements:");
    scanf("%d", &n);
    printf("Enter %d elements:\n", n);
    for(i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    int smallest = arr[0];
    int largest = arr[0];
    for(i = 1; i < n; i++) {
        if(arr[i] < smallest)
            smallest = arr[i];
        if(arr[i] > largest)
            largest = arr[i];
    }
    printf("Smallest element = %d\n", smallest);
    printf("Largest element = %d\n", largest);
    return 0;
}
```

OUTPUT : Enter number of elements : 3  
Enter 3 elements : 2 6 4.

Smallest element = 2

Largest element = 6

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: 3  
Enter 3 elements:  
2  
6  
4  
Smallest element = 2  
Largest element = 6  
--- Code Execution Successful ---

