

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



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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 ===
```