

```
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 ===

Subject :- DSA

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;
 }

Output :- Enter number of elements : 3
 Enter elements

3
 4
 5

Largest element = 3
 Smallest element = 1