

```
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 is: %d\n", max);
    printf("Smallest element is: %d\n", min);
    return 0;
}
```

26

Tuesday

Output:- Enter number of elements: 3
Enter elements

3

4

5

Largest element = 5

Smallest element = 3