

Write a program to find the largest and smallest element in an array.

```
#include <stdio.h>
int main()
{
    int n, i, min, max;
    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]);

    min = arr[0];
    max = 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;
}
```

O/P

```
Enter number of elements: 3
Enter elements: 1 2 3
Largest element: 3
Smallest element: 1
```

main.c

Run

Share

11

printf("Enter elements:\n");

12

for(i = 0; i < n; i++)

13

{

14

scanf("%d", &arr[i]);

15

}

16

17

int max = arr[0];

18

int min = arr[0];

19

20

for(i = 1; i < n; i++)

21

{

22

if(arr[i] > max)

23

max = arr[i];

24

25

if(arr[i] < min)

26

min = arr[i];

27

}

28

29

printf("Largest element = %d\n", max);

30

printf("Smallest element = %d\n", min);

31

32

return 0;

33

}

Output

Clear

Enter number of elements: 4
Enter elements:
1 2 3 4
Largest element = 4
Smallest element = 1

=== Code Execution Successful ===