

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

```
#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;
}
```

O/P  
Enter number of elements: 3  
Enter elements 1 2 3  
largest element 3  
smallest element 1

The screenshot shows a C Online Compiler interface. On the left, there's a sidebar with icons for various languages: C, C++, Java, Python, JavaScript, and TypeScript. The main area shows a code editor with a file named 'main.c' containing C code to find the largest and smallest elements in an array. The 'Run' button is highlighted in blue. The output window shows the execution results.

```
main.c
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:

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

==== Code Execution Successful ===
```