```c
#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];
```

Output:

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


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

① write a program to find the largest and smallest element in an array

→ I/P.

```
#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 = I ; i < n ; i ++) {
        if (arr[i] > max)
            max = arr(i);
        if (arr (i) < min)
            min = arr (i);
    }
    print f ( " Larget element = %d \n", max);
    printf (" smallest element = %d \n", min);
    return 0;
}
```

O/P   Enter number of elements : 4
       Enter elements   : 1 2 3 4
       Larget elemt   : 4
       Smallest elmt = 1.