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

```
#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 elemt: 1
```

C Online Compiler

main.c

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```c
    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 | Clear

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


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