Q1) Insert an element at end of array

Q2) Find largest element in array

```
10 -
11 | 12 | 13 | 14 | 15 -
16 -
17 | 18 | }
            }
largest=arr[0];
for(i=1;i<n;i++){
    if(arr[i]>largest){
        largest=arr[i];
}
            printf("The largest no is:%d\n",largest);
🔡 Compiler 🍓 Resources 🛍 Compile Log 🤣 Debug 🗓 Find Results
```

OUTPUT

```
Process exited after 15.48 seconds with return value 20
Press any key to continue . . . |
```

Q3) Find second largest element

```
11
12
13
14
15
16
17
18
19
20
20
21
22
23
24
25
26
27
28
29
30
31
32
33
33
   printf("Second maximum element is: %d\n", secmax);
return 0;
```

```
ocess exited after 14.04 seconds with return value 0
```

Q4)Write a program to move all zeros to end

OUTPUT

Q5)Rotate array by one

```
Enter number of elements: 5
Enter the elements: 10
20
30
40
50
Array after rotation: 50
50 10 20 30 40
Process exited after 11.49 seconds with return value 0
Press any key to continue . . .
```

Q6)Write a program to check if array is sorted

```
#include <stdio.h>
2D int main() {
    int arr[100], n, i, isSorted = 1;
    printf("Enter number of elements: ");
    scanf("%d", %n);
    printf("Enter the elements:\n");
    for(i = 0; i < n; i++) {
        scanf("%d", %arr[i]);
    }

    // Check if array is sorted in ascending order

for(i = 0; i < n - 1; i++) {
        if(arr[i] > arr[i + 1]) {
            isSorted = 0;
            break;
        }

    if(isSorted) {
        printf("The array is sorted in ascending order.\n");
    } else {
        printf("The array is not sorted.\n");
    }

    return 0;

    Compire @ Recovers all Compile Log of Debug all Fird Recults

line 1 Cot 19 Set 0 Lines 24 Length 600 linest Done parsing in 0.015 seconds
```

```
Enter number of elements: 5
Enter the elements: 1
2
3
4
5
The array is sorted in ascending order.

Process exited after 9.163 seconds with return value 0
Press any key to continue . . . |
```

Q7)Write a program to reverse a string

```
Enter a string: Hello World
Reversed string: droW olleH

Process exited after 10.25 seconds with return value 0

Press any key to continue . . .
```

Q8) Write a program to check if a string is palindrome

```
Enter a string: MADAM
Palindome

Process exited after 10.11 seconds with return value 0
Press any key to continue . . . |
```

```
Enter a string: HELLO
Not Palindrome

Process exited after 8.114 seconds with return value 8

Press any key to continue . . .
```

Q9)Write a program to count frequency of array elements

```
Enter array size: 5
Enter array elements: 2
Enter array elements: 2
Enter array elements: 7
Enter array elements: 5
2 occurs: 2 times
7 occurs: 1 times
5 occurs: 2 times
Process exited after 12.23 seconds with return value 5
Press any key to continue . . . |
```

Q10)Reverse of an array

```
Enter the size: 5
Enter the elements: 1
Enter the elements: 7
Enter the elements: 5
Enter the elements: 6
64571

Process exited after 6.412 seconds with return value 5
Press any key to continue . . .
```