Array

Basic Questions:

1) Create an Array of size 10 of integers. Take input from the user for these 10 elements and print the entire array after that.

2) Check whether n is present in an array of size m or not.

Input - n,m (Input number, size of array)

- Take input n elements for the array

Output -> true/false

[Hint : - Create a dynamic array]

Sample Input :

```
3
5
1 2 3 4 5
```

Sample Output :

```
TRUE
```

3) **Find the minimum and maximum element in an array.**

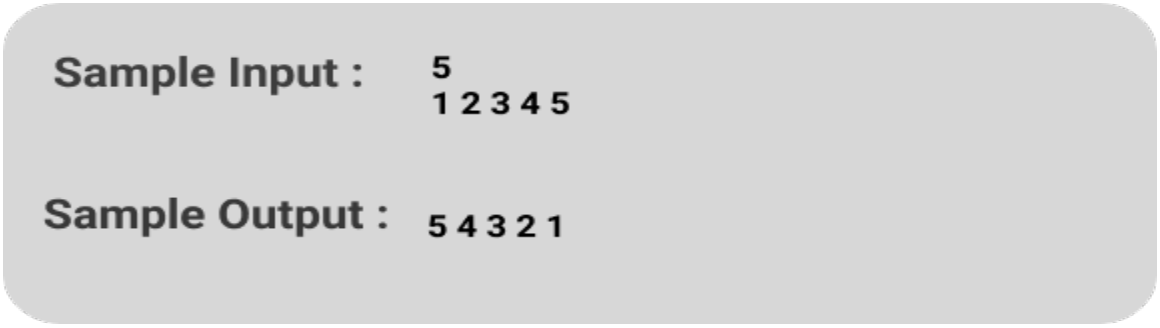
[Solution: https://www.geeksforgeeks.org/program-find-minimum-maximum-element-array/]

Here in sample input : 5 is the size of array

4) **Write a program to reverse the array.**

[Hint: use indexes]

Here , 5 is the size of array and then elements of arrays are input



5) **Write a program to sort the given array.**

[Hint: use any sorting algorithm i.e. https://www.geeksforgeeks.org/sorting-algorithms/]

Here, 6 is the size of array and then the elements are input by the user

6) Find the Kth largest and Kth smallest number in an array.

Here , K = 3 , 9 is the size of array :

Sample Input :
```
3
9
1 2 3 4 5 9 6 33 19
```

Sample Output :
```
largest : 9
smallest : 3
```

7) Given an number n. Find the number of occurrences of n in the array.

Here n = 3 in the sample input , 11 is size of array and occurrence of 3 is 6 times in the given array

Sample Input :
```
3
11
1 2 3 3 3 3 5 3 4 5 3
```

Sample Output :
```
6
```

8) Given an array which consists of only 0, 1 and 2. Sort the array without using any sorting algorithm.

Here, 9 is the size of array input by the user followed by the elements input

Sample Input :
```
9
0 1 2 1 1 0 0 2 2
```

Sample Output :
```
0 0 0 1 1 1 2 2 2
```

9) Find the range of the array. Range means the difference between the maximum and minimum element in the array.

here , 6 is the size of array followed by the input of elements

Sample Input :
```
6
-1 -3 3 47 21 91
```

Sample Output :
```
Range : 94
```

Here , Range = 91-(-3) = 94

10) Move all the negative elements to one side of the array.

Sample Input :
```
6
-1 -3 3 -4 21 91
```

Sample Output :
```
-1 -3 -4 3 21 91
```

NOTE:
You have to write the code for each question
Such that,
First you have to write the code to input the size of array
Second input the elements also by the user
And then perform the mentioned algorithm