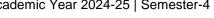
**Practical Solution** 



Faculty: Prof. Chirag K. Sakhrani



Subject: 2304CS431 - Client Side Scripting using

**Javascript** 

```
Practical - 13: Working with Arrays
     WAP to create an array of countries read values of an array from user and print it.(A)
1)
     Program:-
     const countries = Array()
    for (let i = 0; i < 3; i++) {
          countries[i] = prompt(`enter value for index ${i}`)
     }
     console.log("countries list");
    for (let i = 0; i < countries.length; i++) {
          console.log(countries[i]);
     Output:-
     countries list
    India
     Japan
     Us
    WAP to read a numeric array from user and find maximum and minimum number from it. (A)
2)
     Program :-
     const numbers = Array(3)
     var min = 0, max = 0
     for (let i = 0; i < numbers.length; i++) {
         numbers[i] = prompt('enter value for index ${i}')
    }
     min = numbers[0]
     max = numbers[0]
    for (let i = 2; i < numbers.length; i++) {
         if (min > numbers[i]) min = numbers[i]
         if (max < numbers[i]) max = numbers[i]
     console.log(`max = ${min},max = ${max}`);
     Input:- 1,6,9
     Output :- max = 1, max = 9
     WAP to demonstrate use of various inbuilt function on an array like push, pop and sort method for
3)
     sorting string and numbers. (B)
     Program:-
     const numbers = [1, 3, 5, 6, 9, 2]
     const str = ["ram", "raj", "arjun", "vidit"]
     console.log(numbers);
     numbers.push(11)
     console.log("numbers.push(11) -> " + numbers);
     numbers.pop()
     console.log("numbers.pop() -> " + numbers);
     numbers.sort()
```

**Practical Solution** 



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     Javascript
console.log("numbers.sort() -> " + numbers);
```

```
str.sort()
     console.log("str.sort() -> " + str);
     Output :-
     [1, 3, 5, 6, 9, 2]
     numbers.push(11) -> 1,3,5,6,9,2,11
     numbers.pop() -> 1,3,5,6,9,2
     numbers.sort() -> 1,2,3,5,6,9
     str.sort() -> arjun,raj,ram,vidit
4)
     WAP to demonstrate use of various inbuilt function on an array like shift, unshift spice, slice, reverse.
     Program:-
     const numbers = [1, 3, 5, 6, 9, 2]
     console.log(numbers);
     numbers.unshift(11)
     console.log("numbers.unshift(11) -> " + numbers);
     numbers.shift()
     console.log("numbers.shift() -> " + numbers);
     numbers.splice(2, 2)
     console.log("numbers.splice(2,2) -> " + numbers);
     numbers.splice(2, 0, 11, 22)
     console.log("numbers.splice(2,0,11,22) -> " + numbers);
     numbers.splice(2, 2, 88, 99)
     console.log("numbers.splice(2,2,88,99) -> " + numbers);
     console.log("numbers.slice(2,4) -> " + numbers.slice(2, 4));
     console.log("numbers.slice(4) -> " + numbers.slice(4));
     console.log("numbers.slice(-2) -> " + numbers.slice(-2));
     Output:-
     numbers.unshift(11) -> 11,1,3,5,6,9,2
     numbers.shift() -> 1,3,5,6,9,2
     numbers.splice(2,2) -> 1,3,9,2
     numbers.splice(2,0,11,22) -> 1,3,11,22,9,2
     numbers.splice(2,2,88,99) -> 1,3,88,99,9,2
     numbers.slice(2,4) -> 88,99
     numbers.slice(4) -> 9,2
     numbers.slice(-2) -> 9,2
     WAP to read an array from user and sort them in ascending order (without using inbuilt function). (C)
5)
     Program:-
     const numbers = Array(5)
     for (let i = 0; i < numbers.length; <math>i++) {
          numbers[i] = prompt('enter only number for index ${i}')
     for (let i = 0; i < numbers.length - 1; i++) {
          for (let j = 0; j < numbers.length - i; j++) {
               if (numbers[j] > numbers[j + 1]) {
```





Academic Year 2024-25 | Semester-4

**Practical Solution** 

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```
var tem = numbers[j]
               numbers[j] = numbers[j + 1]
               numbers[j + 1] = tem
          }
     }
}
for (let i = 0; i < numbers.length; <math>i++) {
     console.log(numbers[i]);
Input:-
9
8
7
6
5
Output:-
5
6
7
8
9
```