

➤ **Lab3**

➤ **Question: -**

- **1. WAP to create an array of countries, read values of an array from user and print it.**

```
<script type="text/javascript">
    a = parseInt(prompt("Enter count"));
    b=[]
    for(i=0;i<a;i++)
    {
        b[i] = prompt("Enter Country Name:");
    }
    for(i=0;i<a;i++)
    {
        document.write(b[i], "<br>");
    }
</script>
```

- **2. WAP to read a numeric array from user and find maximum number from it.**

```
<script type="text/javascript">
    a = parseInt(prompt("Enter count"));
    b=[]
    temp=0;
    for(i=0;i<a;i++)
    {
        b[i] = prompt("Enter Number:");
    }

    for (i = 0 ; i < a;i++)
    {
        if(temp<b[i])
        {
            temp=b[i];
        }
    }
    document.write(temp);
</script>
```

- **3. WAP to demonstrate use of various inbuilt function on an array like push, pop, sort.**

```
<script type="text/javascript">
  a = parseInt(prompt("Enter count"));
  b=[]
  for(i=0;i<a;i++)
  {
    n = prompt("Enter Number:");
    b.push(n);
  }
  document.write("<br>Sort using sort",b.sort())
  document.write("<br>remove using pop",b.pop())
  document.write("<br>new array   ",b)

</script>
```

- **4. WAP to read an array from user and sort them in ascending order (without using inbuilt function).**

```
<script type="text/javascript">
let b = []; // Array to store user inputs
let temp = 0;
let n = prompt('Enter size:')
// Input 7 numbers from the user
for (let i = 0; i < n; i++) {
    b[i] = parseInt(prompt("Enter Number:"));
}

// Sorting the array using Bubble Sort
for (let i = 0; i < n - 1; i++) {
    for (let j = 0; j < n - i - 1; j++) {
        if (b[j] > b[j + 1]) {
            // Swap b[j] and b[j + 1]
            temp = b[j];
            b[j] = b[j + 1];
            b[j + 1] = temp;
        }
    }
}

// Output the sorted array
document.write("Sorted Array:<br>");
for (let i = 0; i < n; i++) {
    document.write(b[i] + "<br>");
}
</script>
```