JavaScript - Exercise

1. **What are the two syntaxes for creating an empty array?**

var parathan = new Array();

var parathan = [ ];

2. **Write a JavaScript Function which returns the**

2.1) Max value in an array passed as argument :

Math.max ( );

2.2) Min value in an array :

Math.min ( );

3. **Add 5 new fruits in the middle of the following array.**

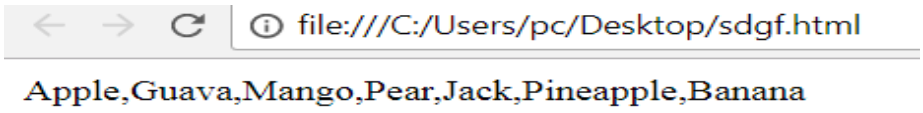
var fruits = ["Apple", "Banana"];

I'm going to add Guava, Mango, Pear, Jack, Pineapple in between Apple & Banana.

This is the following Code

```
<p id="fruit"></p>
<script>
var fruits= ["Apple","Banana"];
fruits.splice(1, 0, "Guava","Mango","Pear", "Jack", "Pineapple");
document.getElementById("fruit").innerHTML=fruits ;
</script>
```

Output :



3.1) Get the fruit name in index 3?

```
<p id="third"></p>

<script>

var fruits= ["Apple","Banana"];

fruits.splice(1, 0, "Guava","Mango","Pear", "Jack", "Pineapple");

document.getElementById("third").innerHTML=fruits[2] ;

</script>
```

Output: Mango

3.2) Get the length of the array ?

```
<script>

var fruits= ["Apple","Banana"];

fruits.splice(1, 0, "Guava","Mango","Pear", "Jack", "Pineapple");

document.write(fruits.length);

</script>
```

Output: 7

3.3) Get the reverse order of elements of fruits?

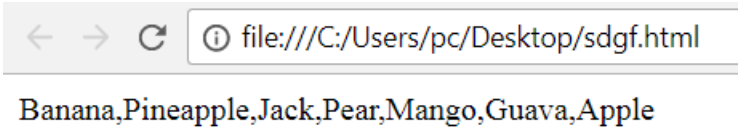
Method 1 :

```
<script>

var fruits= ["Apple","Banana"];

fruits.splice(1, 0, "Guava","Mango","Pear", "Jack", "Pineapple");

document.write(fruits.reverse());

</script>
```

Method 2 :

```
<p id="reverse"></p>

<script>

var fruits= ["Apple","Banana"];

fruits.splice(1, 0, "Guava","Mango","Pear", "Jack", "Pineapple");

fruits.reverse();

document.getElementById("reverse").innerHTML = fruits;

</script>
```

Output:



4. **Create an array called num with following numbers 4,1,8,3,9,12**

Var num = [4,1,8,3,9,12]

4.1) Print the sorted array

```
<script>
function sortedArray(a,b) {
   return a - b;
}
var num =[4,1,8,3,9,12];
num.sort(sortedArray);
document.write(num.join(","));
</script>
```

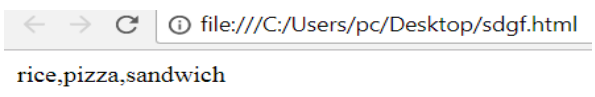
Output: 1,3,4,8,9,12

5.var foods = ["rice", "pizza", "sandwich", "rolls"];

5.1)Removes the last element ("rolls") from foods

```
<p id="food"></p>
<script>
var foods = ["rice", "pizza", "sandwich", "rolls"];
foods.pop();
document.getElementById("food").innerHTML= foods;
</script>
```

Output:



5.2) Add a new element ("cake") to foods

```
<p id="food"></p>

<script>

var foods = ["rice", "pizza", "sandwich", "rolls"];

foods.push("cake");

document.getElementById("food").innerHTML= foods;

</script>
```

Output: **rice,pizza,sandwich,rolls,cake**

5.3) Remove the first element "rice" from foods

```
<p id="food"></p>

<script>

var foods = ["rice", "pizza", "sandwich", "rolls"];

foods.shift();

document.getElementById("food").innerHTML= foods;

</script>
```

Output : **pizza,sandwich,rolls**

6. **Create an array like this var fruits = ["Apple"];**

Var fruits = [“Apple”];

6.1) Add Pineapple, Lemon before “Apple”

```
<p id="fruit"></p>
<script>
var fruits = ["Apple"];
fruits.unshift("Pineapple","Lemon");
document.getElementById("fruit").innerHTML= fruits;
</script>
```

Output: Pineapple, Lemon, Apple

6.2) Add “Orange", "Peach" after “Apple”

```
<p id="fruit"></p>
<script>
var fruits = ["Apple"];
fruits.unshift("Pineapple", "Lemon");
fruits.push("Orange", "Peach");
document.getElementById("fruit").innerHTML= fruits;
</script>
```

Output : **Pineapple,Lemon,Apple,Orange,Peach**