

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

```
var "arrayname" = [];  
var "arrayname" = new Array ();
```

2. Write a Javascript Function which returns the

1.1) Max value in an array passed as an argument.

```
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>Document</title>  
</head>  
  
<body>  
  <h2> Find a big number in array</h2>  
  <p id="para1"></p>  
  <button onclick="bigNumber()">Click</button>  
  <script>  
  
    var sheshan = [10, 15, 20, 30, 40];  
    function bigNumber() {  
      sheshan.sort(function(a, b)  
      {  
        return b - a;  
      })  
      document.getElementById('para1').innerHTML = "The Greater  
Number in this array is " + sheshan[0];  
    }  
  </script>  
</body>  
  
</html>
```

1.2) Min value in an array

```
<!DOCTYPE html>  
<html lang="en">  
  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```

<title>Document</title>
</head>

<body>
  <h2> Find a big number in array</h2>
  <p id="para1"></p>
  <button onclick="bigNumber()">Click</button>
  <script>

    var sheshan = [10, 15, 20, 30, 40];
    function bigNumber() {
      sheshan.sort(function(a, b)
      {
        return a - b;
      })
      document.getElementById('para1').innerHTML ="The Greater
Number in this array is " + sheshan[0];
    }
  </script>
</body>

</html>

```

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

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Add values in array</h2>
  <p id="index3"></p>
<script>
  var fruits = ["Apple","Banana"];
  fruits.splice(1, 0,
'Blackberries','Blueberries','Apricots','Avocado','Breadfruit');

  document.getElementById('index3').innerHTML= fruits;

```

```
</script>
</body>
</html>
```

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

3.1) Get the fruit name in index 3?

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Add values in array</h2>
  <p id="index3"></p>
<script>
  var fruits = ["Apple","Banana"];
  document.getElementById('index3').innerHTML= fruits;
</script>
</body>
</html>
```

3.2) Get the length of the array?

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Add values in array</h2>
  <p id="index3"></p>
<script>
  var fruits = ["Apple","Banana"];
  fruits.splice(1, 0,
'Blackberries','Blueberries','Apricots','Avocado','Breadfruit');

  document.getElementById('index3').innerHTML= fruits.length;
</script>
</body>
</html>
```

```
</script>
</body>
</html>
```

### 3.3) Get the reverse order of elements of fruits?

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Add values in array</h2>
  <p id="index3"></p>
<script>
  var fruits = ["Apple", "Banana"];
  fruits.splice(1, 0,
  'Blackberries', 'Blueberries', 'Apricots', 'Avocado', 'Breadfruit');

  fruits.sort();
  fruits.reverse();
  document.getElementById('index3').innerHTML= fruits;
</script>
</body>
</html>
```

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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Array of Numebrs</h2>
  <p id="para1"></p>
  <script>
    var num = [4,1,8,3,9,12];
```

```
</script>
</body>
</html>
```

#### 4.1) Print the sorted array

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Array of Numebrs</h2>
  <p id="para1"></p>
  <script>
    var num = [4,1,8,3,9,12];
    // num.sort();
    num.sort(function(a,b) {
      return b-a;
    })
    document.getElementById('para1').innerHTML= num[0];
  </script>
</body>
</html>
```

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

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

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2>Food array</h2>
  <p id="para1"></p>
```

```

<script>
    var foods = ["rice", "pizza", "sandwich", "rolls"];
    foods.pop();
    document.getElementById('para1').innerHTML= foods;
</script>
</body>
</html>

```

### 5.2) Adds a new element ("cake") to foods

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2>Food array</h2>
    <p id="para1"></p>
    <script>
        var foods = ["rice", "pizza", "sandwich", "rolls"];
        foods.pop();
        foods.push('cake');
        document.getElementById('para1').innerHTML= foods;

    </script>
</body>
</html>

```

### 5.3) Removes the first element "rice" from foods

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2>Food array</h2>
    <p id="para1"></p>

```

```

<script>
    var foods = ["rice", "pizza", "sandwich", "rolls"];
    foods.pop();
    foods.push('cake');
    foods.shift();
    document.getElementById('para1').innerHTML= foods;

</script>
</body>
</html>

```

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

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2> Create a new Array</h2>
    <p id="para1"></p>
    <script>
        var fruits = ["Apple"];
    </script>
</body>
</html>

```

6.1) Add Pineapple, Lemon before “Apple”

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <h2> Create a new Array</h2>
    <p id="para1"></p>
    <script>

```

```

    var fruits = ["Apple"];
    fruits.unshift("Pineapple", "Lemon");
    document.getElementById('para1').innerHTML = fruits;
</script>
</body>
</html>

```

6.2) Add "Orange", "Peach" after "Apple"  
 (Use suitable codes to create this array)

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <h2> Create a new Array</h2>
  <p id="para1"></p>
  <script>
    var fruits = ["Apple"];
    fruits.unshift("Pineapple", "Lemon");
    fruits.push("Orange", "Peach");
    document.getElementById('para1').innerHTML = fruits;
  </script>
</body>
</html>

```