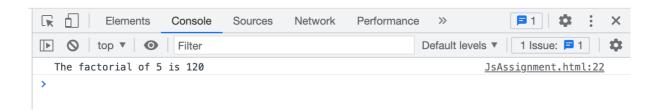
JavaScript Assignments

Darshana Shinde

1. JavaScript Program to Find the Factorial of a Number

```
<!DOCTYPE html>
<meta charset="utf-8">
<title></title>
<script type="text/javascript">
function factorial(x){
   //base case
    if(x == 0 || x == 1){
       return 1;
    }else{
       return x * factorial(x-1);
let x = 5;
answer = factorial(x)
console.log("The factorial of " + x + " is " + answer);
</script>
</body>
</html>
```



2. JavaScript Program to Display the Multiplication Table

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title></title>
```

```
</head>
  <body>
<script type="text/javascript">

    var table = 18;
var length = 10;
var i = 1;

document.write("Multiplication table: "+ table);
for(i=1; i <= length; i++)
    document.write("<br>"+(i * table));
</script>
</body>
</html>
```

3. JavaScript Program to Print the Fibonacci Sequence

```
<!DOCTYPE html>
  <html>
  <head>
  <meta charset="utf-8">
  <title></title>
  </head>
  <body>
  <script type="text/javascript">
  var fibonacci_series = function (n)
  {
    if (n===1)
```

```
return [0, 1];
 else
   var s = fibonacci_series(n - 1);
   s.push(s[s.length - 1] + s[s.length - 2]);
   return s;
console.log(fibonacci_series(8));
</script>
</html>
 Elements Console
                         Sources
                                 Network
                                         Performance
                                                            □1 □ X
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                                                 JsAssignment.html:22
   ▶ (9) [0, 1, 1, 2, 3, 5, 8, 13, 21]
 >
```

4. JavaScript Program to Empty an Array

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title></title>
</head>
<body>
<script type="text/javascript">
// program to empty an array

function emptyArray(arr) {
    arr.length = 0;
    return arr;
}
    const array = [1, 4 , 3 , 5 , 8];
    console.log(array);
    const result = emptyArray(array);
    console.log(result);
</script>
</body>
</html>
```

```
        Image: Solution | Elements | Elements | Console | Solution | Sol
```

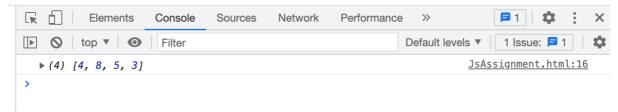
5. JavaScript Program to Add Element to Start of an Array

```
<!DOCTYPE html>
 <meta charset="utf-8">
 <title></title>
<script type="text/javascript">
function addElement(arr) {
arr.unshift(8);
console.log(arr);
const array = [5, 6, 9];
addElement(array);
</script>
 </html>
  Elements
                     Console
                              Sources
                                      Network
                                               Performance
  ► O top ▼ O Filter
                                                         Default levels ▼ 1 Issue: = 1 🌼
                                                                  JsAssignment.html:11
    ▶ (4) [8, 5, 6, 9]
  >
```

6. JavaScript Program to Remove Duplicates From Array

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title></title>
</head>
</bed>
<body>
```

```
<script type="text/javascript">
function getUnique(arr){
    let uniqueArr = [];
    for(let i of arr) {
        if(uniqueArr.indexOf(i) === -1) {
            uniqueArr.push(i);
        }
    }
    console.log(uniqueArr);
}
const array = [4, 8, 8, 5, 3];
getUnique(array);
</script>
</body>
</html>
```



7. JavaScript Program to Compare The Value of Two Dates

Date One is greater than Date Two.

8. JavaScript Program to Sort Words in Alphabetical Order

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title></title>
</head>
<body>
<script type="text/javascript">
var string = ["Violet","Indigo","Blue","Green","Yellow","Orange","Red","Pink"];

document.write("<b>Original String:-</b>");
document.write(string);

document.write(string);

string.sort();

document.write("<b></br>
document.write(string);
</script>
</body>
</html>
```

Original String:-

Violet, Indigo, Blue, Green, Yellow, Orange, Red, Pink

After sorting:-

Blue, Green, Indigo, Orange, Pink, Red, Violet, Yellow

9. JavaScript Program to Replace Characters of a String

```
<!DOCTYPE html>
<html>
<head>
<meta charset="utf-8">
<title></title>
```

```
</head>
<script type="text/javascript">
const string = 'Mr James has a Honda car and a Honda Bike';
const newText = string.replace('Honda', 'BMW');
console.log(newText);
</script>
                                                                   □1 ☆ : X
Elements
                   Console
                           Sources
                                    Network
                                             Performance
                                                      Default levels ▼ 1 Issue: ■ 1
► O top ▼ O Filter
  Mr James has a BMW car and a Honda Bike
                                                               JsAssignment.html:11
```

10. JavaScript Program to Reverse a String

yrtnuoC lufituaeB si aidnI