

DATE: 05/08/2024

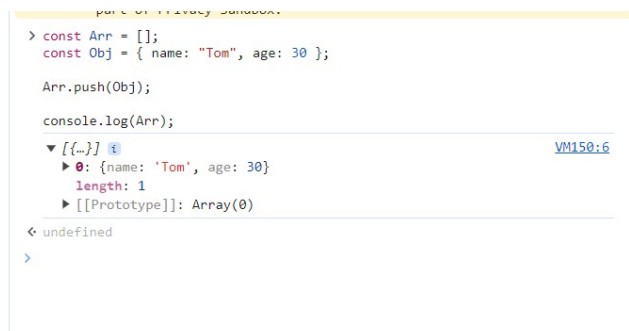
Javascript - Assignment

1. Write a JS program to append an Object to a const Array.

Script:

```
const Arr = [];  
const Obj = { name: "Tom", age: 30 };  
Arr.push(Obj);  
console.log(Arr);
```

Output:



```
> const Arr = [];  
const Obj = { name: "Tom", age: 30 };  
  
Arr.push(Obj);  
  
console.log(Arr);  
▼ [(-)] 4 VM150:6  
  0: {name: 'Tom', age: 30}  
    length: 1  
    [[Prototype]]: Array(0)  
← undefined  
>
```

2. Insert, Remove element at the end of Array and add element at the front.

Script:

```
const myArray = [1, 2, 3];  
  
// Insert element at the end  
myArray.push(4); // myArray is now [1, 2, 3, 4]  
  
// Remove element at the end  
myArray.pop(); // myArray is now [1, 2, 3]  
  
// Add element at the front  
myArray.unshift(0); // myArray is now [0, 1, 2, 3]  
  
// Remove element at the front  
myArray.shift(); // myArray is now [1, 2, 3]
```

Output:

```
VM227:1
> const myArray = [1, 2, 3];
< undefined
> myArray.push(4);
< 4
> myArray.pop();
< 4
> myArray.unshift(0);
< 4
> myArray.shift();
< 0
> console.log(myArray);
▶ (3) [1, 2, 3] VM227:1
```

3. Reverse a string using Javascript.

Script:

```
const str = "hello";
const reversedStr = str.split('').reverse().join('');
console.log(reversedStr);
```

Output:

```
VM387:3
> const str = "hello";
const reversedStr = str.split('').reverse().join('');
console.log(reversedStr);
olleh VM387:3
< undefined
```

4. Display updated date with interval of 2 ms in HTML page

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <title>Date Update</title>
</head>
<body>
  <div id="date"></div>
```

```
<script>
function updateDate() {
  const dateElement = document.getElementById('date');
  const now = new Date();
  dateElement.innerText = now.toString();
}
setInterval(updateDate, 2);
</script>
</body>
</html>
```

Output:

