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Date: 05.08.2024

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

Program:

```
const arr = [1, 2, 3];  
const obj = { name: 'John', age: 30 };  
  
arr.push(obj);  
  
console.log(arr);
```

Output:

```
▼ (4) [1, 2, 3, {...}] ⓘ  
  0: 1  
  1: 2  
  2: 3  
  ▼ 3:  
    age: 30  
    name: "John"  
    ► [[Prototype]]: Object  
    length: 4  
    ► [[Prototype]]: Array(0)
```

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

Program:

```
const arr = [1, 2, 3, 4];

arr.push(5);
console.log('After push:', arr);

arr.pop();
console.log('After pop:', arr);

arr.unshift(0);
console.log('After unshift:', arr);
```

Output:

After push: ► (5) [1, 2, 3, 4, 5]

After pop: ► (4) [1, 2, 3, 4]

After unshift: ► (5) [0, 1, 2, 3, 4]

3.Reverse a string using Javascript.

Program:

```
function reverseString(str) {
    return str.split('').reverse().join('');
}

const originalString = 'Hello, World!';
const reversedString = reverseString(originalString);
console.log(reversedString);
```

Output:

```
!dlrow ,olleH
```

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

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

  <script src="script.js"></script>
</body>
</html>
```

Script

```
function updateDate() {
  const dateDisplay = document.getElementById('dateDisplay');
  dateDisplay.innerHTML = new Date().toLocaleTimeString();
}

setInterval(updateDate, 2);
```

Output:

```
9:23:46 pm
```