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JAVASCRIPT ASSIGNMENT

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

```
> {const array = [{ name: "Prathik" }, { name: "Balaji" }];  
    array.push( { name: "Ashwin" });  
    console.log("Array after adding:", array);}
```

```
Array after adding: ▼ (3) [{...}, {...}, {...}] i  
  ▶ 0: {name: 'Prathik'}  
  ▶ 1: {name: 'Balaji'}  
  ▶ 2: {name: 'Ashwin'}  
    length: 3  
  ▶ [[Prototype]]: Array(0)
```

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

Insert at end :

```
{const samArray = [{name : "prathik"}];  
  samArray.push({ name: "Sakthi" });  
  console.log("Array after inserting at the end:", samArray);  
}
```

```
Array after inserting at the end: ▼ (2) [{...}, {...}] i  
  ▶ 0: {name: 'prathik'}  
  ▶ 1: {name: 'Sakthi'}  
    length: 2  
  ▶ [[Prototype]]: Array(0)
```

Remove at end :

```
samArray.pop();  
console.log("Array after removing from the end:", samArray);
```

```
Array after removing from the end: ▼ [{...}] i  
  ▶ 0: {name: 'prathik'}  
    length: 1  
  ▶ [[Prototype]]: Array(0)
```

Adding in front :

```
samArray.unshift({ name: "Branesh" });  
console.log("Array after adding at the front:", samArray);
```

```
Array after adding at the front: ▼ (2) [{...}, {...}] ⓘ  
  ▶ 0: {name: 'Branesh'}  
  ▶ 1: {name: 'prathik'}  
    length: 2  
  ▶ [[Prototype]]: Array(0)
```

3.Reverse a string using Javascript.

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

```
undefined
```

```
{const reversedString = reverseString("Prathik");reversedString}  
'kihtarP'
```

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

```
<!DOCTYPE html>  
<html lang="en">  
<head>  
  <meta charset="UTF-8">  
  <meta name="viewport" content="width=device-width, initial-scale=1.0">  
  <title>jsbasic</title>  
  <script>  
    const intervID = setInterval(() => {  
      document.getElementById('demo').innerHTML = new Date();  
    }, 2000);  
  </script>  
  <style>  
    h1{
```

```
        text-align: center;
    }
</style>
</head>
<body>
    <h1 id="demo"></h1>
</body>
</html>
```

Output :

Tue Aug 06 2024 08:14:55 GMT+0530 (India Standard Time)