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Date : 06-08-24

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

2.Insert,Remove element at the end of Arrray 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) [{…}, {…}] ⓘ
                                    ▶ 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: ▼ [{…}] ⓘ
                                      ▶ 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

```html
<!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 intervlID = setInterval(() => {
    document.getElementById('demo').innerHTML = new Date();
  }, 2);
  </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)