

## Javascript -Assignment

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

Answer:-

```
const myArray = [{ name: 'Alice' }, { name: 'Bob' }];  
const newObject = { name: 'Charlie' };
```

```
myArray.push(newObject);
```

```
console.log(myArray);
```

Output:-

```
> const myArray = [{ name: 'Alice' }, { name: 'Bob' }];  
    const newObject = { name: 'Charlie' };
```

```
myArray.push(newObject);
```

```
console.log(myArray);
```

```
▶ (3) [{"name": "Alice"}, {"name": "Bob"}, {"name": "Charlie"}]
```

```
← undefined
```

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

Answer:-

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

```
// Insert element at the end
```

```
myArray.push(5);
```

```
console.log(myArray); // [1, 2, 3, 4, 5]
```

```
// Remove element from the end
```

```
myArray.pop();
```

```
console.log(myArray); // [1, 2, 3, 4]
```

```
// Add element at the front
```

```
myArray.unshift(0);
console.log(myArray); // [0, 1, 2, 3, 4]
```

Output:-

```
> const myArray = [1, 2, 3, 4];

// Insert element at the end
myArray.push(5);
console.log(myArray); // [1, 2, 3, 4, 5]

// Remove element from the end
myArray.pop();
console.log(myArray); // [1, 2, 3, 4]

// Add element at the front
myArray.unshift(0);
console.log(myArray); // [0, 1, 2, 3, 4]
```

---

▶ (5) [1, 2, 3, 4, 5]

---

▶ (4) [1, 2, 3, 4]

---

▶ (5) [0, 1, 2, 3, 4]

### 3.Reverse a string using Javascript?

Answer:-

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

const myString = "Hello, World!";
const reversedString = reverseString(myString);
console.log(reversedString);
```

Output:-

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

const myString = "TAPAN!";
const reversedString = reverseString(myString);
console.log(reversedString);

!NAPAT
< undefined
```

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

Answer:-

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

  <script>
    function updateDate() {
      const now = new Date();
      document.getElementById('dateDisplay').innerText = now.toLocaleString();
    }

    setInterval(updateDate, 2);
  </script>
</body>
</html>
```

Output:-



File

C:/Users/tapan.k/Documents/Trainig%20project/Dt.html

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