

05-08-2024

DAILY TASK

1) Write a JS program to append an object to a const array

QUERY:

```
const myArray = [  
  { name: "Alice", age: 25 },  
  { name: "Bob", age: 30 }  
];  
  
const newObject = { name: "Charlie", age: 35 };  
  
myArray.push(newObject);  
  
console.log(myArray);
```

OUTPUT:

```
const myArray = [  
  { name: "Alice", age: 25 },  
  { name: "Bob", age: 30 }  
];
```

```
< undefined
```

```
> const newObject = { name: "Charlie", age: 35 };
```

```
< undefined
```

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

```
< 3
```

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

```
  ► (3) [{"name": "Alice", "age": 25}, {"name": "Bob", "age": 30}, {"name": "Charlie", "age": 35}]
```

```
< undefined
```

2) Insert,remove element at the end of array and add element at the front

QUERY:

```
const myArray = [1, 2, 3];  
  
const elementToAddAtEnd = 4;  
myArray.push(elementToAddAtEnd);  
console.log('After adding an element at the end:', myArray);  
  
myArray.pop();  
console.log('After removing an element from the end:', myArray);  
  
const elementToAddAtFront = 0;  
myArray.unshift(elementToAddAtFront);  
console.log('After adding an element at the front:', myArray);
```

OUTPUT:

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

< undefined
> const elementToAddAtEnd = 4;
myArray.push(elementToAddAtEnd);
console.log('After adding an element at the end:', myArray);

After adding an element at the end: ► (4) [1, 2, 3, 4]

< undefined
> myArray.pop();
console.log('After removing an element from the end:', myArray);

After removing an element from the end: ► (3) [1, 2, 3]

< undefined
> const elementToAddAtFront = 0;
myArray.unshift(elementToAddAtFront);
console.log('After adding an element at the front:', myArray);

After adding an element at the front: ► (4) [0, 1, 2, 3]

< undefined
>
```

3) Reverse a string using js

QUERY:

```
function reverseString(str) {

  const charArray = str.split("");

  const reversedArray = charArray.reverse();

  const reversedString = reversedArray.join("");

  return reversedString;
}

const originalString = "Hello, World!";
const reversedString = reverseString(originalString);
console.log("Original String:", originalString);
console.log("Reversed String:", reversedString);
```

OUTPUT:

```
> function reverseString(str) {
  const charArray = str.split('');

  const reversedArray = charArray.reverse();

  const reversedString = reversedArray.join('');

  return reversedString;
}

< undefined
> const originalString = "Hello, World!";
const reversedString = reverseString(originalString);
console.log("Original String:", originalString);
console.log("Reversed String:", reversedString);
Original String: Hello, World!
Reversed String: !dlroW ,olleH

< undefined
>
```

4) Display updated date with interval of 2 ms in html page

QUERY:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Update Date Example</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      background-color: #f0f0f0;
      margin: 0;
    }
    #dateTime {
      font-size: 2em;
      padding: 20px;
      background: white;
      border: 1px solid #ccc;
      border-radius: 10px;
      box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
    }
  </style>
</head>
<body>
  <div id="dateTime"></div>
  <script>
    function updateDateTime() {
      const dateTimeElement = document.getElementById('dateTime');
      const now = new Date();
      dateTimeElement.innerText = now.toLocaleString(); // Display the date and time in a
readable format
    }

    setInterval(updateDateTime, 2); // Update the date and time every 2 milliseconds
  </script>
</body>
</html>
```

OUTPUT:

Tasks

New Task

Submit

5/8/2024, 7:47:46 pm