## **WEEK 04 ASSIGNMENT**

• Write a JavaScript program to iterate over all the properties of an object in reverse, running a callback for each one.

```
    assignment9.html >  html >  body >  script >  addProperty

    <!DOCTYPE html>
     <html lang="en">
     <meta charset="UTF-8">
     <meta name="viewport" content="width=device-width, initial-scale=1">
     <title>Dynamic Object Reverse</title>
     @import url('https://fonts.googleapis.com/css2?family=Roboto:wght@400;700&display=swap');
     body {
     font-family: 'Roboto', sans-serif;
     background: linear-gradient(135deg, ■#e0eafc, ■#cfdef3);
     margin: 0;
     padding: 0;
     display: flex;
     justify-content: center;
     align-items: center;
     height: 100vh;
     .container {
     background: ■white;
    padding: 20px 30px;
22 border-radius: 10px;
     box-shadow: 0 4px 12px □rgba(0, 0, 0, 0.2);
     max-width: 400px;
     width: 100%;
     text-align: center;
     h1 {
     color: □#333;
     margin-bottom: 20px;
     form {
     margin-bottom: 20px;
     input {
     margin-bottom: 10px;
     padding: 10px;
     width: 100%;
    border: 1px solid ■#ccc;
    border-radius: 8px;
     font-size: 1rem;
     outline: none;
     transition: border-color 0.3s;
```

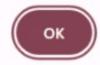
```
<html lang="en">
    input {
    poruer: ipx soiiu ≡#ccc;
    border-radius: 8px;
41 font-size: 1rem;
    outline: none;
    transition: border-color 0.3s;
    input:focus {
    border-color: ■#007bff;
    button {
    padding: 10px 20px;
    font-size: 1rem;
    color: ■white;
    background-color: ■#007bff;
    border: none;
    border-radius: 8px;
    cursor: pointer;
    width: 100%;
    margin-bottom: 20px;
    transition: background-color 0.3s, transform 0.2s;
    button:hover {
    background-color: ☐#0056b3;
    transform: translateY(-2px);
    button:active {
    background-color: ☐#004494;
    transform: translateY(0);
    #output {
    text-align: left;
    max-height: 200px;
    overflow-y: auto;
    padding: 10px;
    border: 1px solid ■#ddd;
    border-radius: 8px;
    background-color: ■#f9f9f9;
    .property {
78 padding: 5px 0;
```

```
<html lang="en">
button:active {
background-color: ■#004494;
transform: translateY(0);
#output {
text-align: left;
max-height: 200px;
overflow-y: auto;
padding: 10px;
border: 1px solid ■#ddd;
border-radius: 8px;
background-color: ■#f9f9f9;
.property {
padding: 5px 0;
border-bottom: 1px solid ■#eee;
animation: fadeIn 0.5s forwards;
opacity: 0;
.property:last-child {
border-bottom: none;
@keyframes fadeIn {
from { opacity: 0; transform: translateY(-10px); }
to { opacity: 1; transform: translateY(0); }
<div class="container">
<h1>Dynamic Object Reverse</h1>
<form id="inputForm">
<input type="text" id="property" placeholder="Enter Property Name" required>
<input type="text" id="value" placeholder="Enter Property Value" required>
<button type="button" onclick="addProperty()">Add Property</button>
</form>
<button onclick="reverseAndDisplay()">Reverse Properties</button>
<div id="output"></div>
</div>
```

```
    assignment9.html >  html >  body >  script

     <html lang="en">
      <div class="container">
      </form>
      <button onclick="reverseAndDisplay()">Reverse Properties</button>
      <div id="output"></div>
      <script>
      const dynamicObject = {};
      function addProperty() {
      const propertyInput = document.getElementById('property');
      const valueInput = document.getElementById('value');
      const propertyName = propertyInput.value.trim();
      const propertyValue = valueInput.value.trim();
      if (propertyName && propertyValue) {
      dynamicObject[propertyName] = propertyValue;
      alert(Property )
      propertyInput.value = '';
      valueInput.value = '';
      } else {
      alert('Please fill out both fields!');
      function reverseAndDisplay() {
      const outputDiv = document.getElementById('output');
      outputDiv.innerHTML = ''; // Clear previous output
      const keys = Object.keys(dynamicObject).reverse();
      if (keys.length === 0) {
      outputDiv.innerHTML = 'No properties to display!';
      return;
      keys.forEach(key => {
      const propertyDiv = document.createElement('div');
      propertyDiv.classList.add('property');
      propertyDiv.innerHTML = <strong>${key}:</strong> ${dynamicObject[key]};
      outputDiv.appendChild(propertyDiv);
     </script>
```

Property 'Course' with value 'MCA' added.



## **Dynamic Object Reverse**

Course

MCA

Add Property

**Reverse Properties** 

## **Dynamic Object Reverse**

Enter Property Name

Enter Property Value

**Add Property** 

**Reverse Properties** 

Course: MCA

Name: Divyansh