	PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE - 411043
	DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGG.
	ACADEMIC YEAR : 2022-23 SEM: 1

CLASS : BE VIII [P8]	SUBJECT : JavaScript
EXPT. NO. : 8	Roll No.: 42410	DATE :

CODE :

Programmers Name : Disha Chinchole
Batch : P8

Code:

index8.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Website Home Page</title>
 <link rel="stylesheet" href="styles.css">
</head>
<body>
 <div class="container">
 <h2>42410_Disha Chinchole</h2>
 <p>Hover over or focus on the content to change the background color.</p>
 <input type="text" id="changeColorInput" placeholder="Focus here">
 </div>
 <script src="app8.js"></script>
</body>
```

app8.js

```javascript
// Get the body element
const body = document.body;
// Function to change background color on mouse over
function changeBackgroundColorOnMouseOver() {
 body.style.backgroundColor = 'lightblue';
}
// Function to revert background color on mouse out
function revertBackgroundColorOnMouseOut() {
 body.style.backgroundColor = '#f0f0f0';
}
// Function to change background color on focus
function changeBackgroundColorOnFocus() {
 body.style.backgroundColor = 'lightgreen';
}
// Function to revert background color on blur (when focus is lost)
```

```javascript
function revertBackgroundColorOnBlur() {
 body.style.backgroundColor = '#f0f0f0';
}
// Add event listeners for mouse over and focus events
body.addEventListener('mouseover', changeBackgroundColorOnMouseOver);
body.addEventListener('mouseout', revertBackgroundColorOnMouseOut);
const inputElement = document.getElementById('changeColorInput');
// Add event listeners for focus and blur events on the input field
inputElement.addEventListener('focus', changeBackgroundColorOnFocus);
inputElement.addEventListener('blur', revertBackgroundColorOnBlur);
```

styles.css

```css
body {
 font-family: Arial, sans-serif;
 margin: 0;
 padding: 0;
 height: 100vh;
 display: flex;
 justify-content: center;
 align-items: center;
 transition: background-color 0.3s ease;
}
.container {
 text-align: center;
 padding: 20px;
 background-color: #f0f0f0;
 border-radius: 10px;
}
#changeColorInput {
 width: 200px;
 padding: 5px;
 margin-top: 10px;
}
```

OUTPUT :