Web 8

**1. Question**

<!DOCTYPE html>

<html>

<head>

<title>Change Background Color on Mouseover</title>

<style>

/\* Styling the buttons \*/

button {

padding: 10px;

font-size: 16px;

cursor: pointer;

}

</style>

</head>

<body>

<button onmouseover="changeBackgroundColor('red')" onmouseout="resetBackgroundColor()">Red</button>

<button onmouseover="changeBackgroundColor('green')" onmouseout="resetBackgroundColor()">Green</button>

<button onmouseover="changeBackgroundColor('blue')" onmouseout="resetBackgroundColor()">Blue</button>

<script>

function changeBackgroundColor(color) {

document.body.style.backgroundColor = color;

}

function resetBackgroundColor() {

document.body.style.backgroundColor = "white";

}

</script>

</body>

</html>

**2.Question**

<!DOCTYPE html>

<html>

<head>

<title>Calculate Area of Circle</title>

</head>

<body>

<button onclick="calculateArea()">Calculate Area of Circle</button>

<script>

function calculateArea() {

const radius = parseFloat(prompt("Enter the radius of the circle:"));

if (isNaN(radius) || radius <= 0) {

alert("Invalid input. Please enter a valid positive number.");

} else {

const area = Math.PI \* radius \* radius;

alert("Area of the circle: " + area.toFixed(2));

}

}

</script>

</body>

</html>