

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>