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Web 8

1. Question

```html
<!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

```html
<!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>
```