

1.

```
<!DOCTYPE html>

<html>

<head>
  <title> JavaScript</title>
</head>
<body>
  <h3>Change Color</h3>

  <button onmouseover="changeColor('red')" onmouseout="resetColor('red')">Red</button>
  <button onmouseover="changeColor('green')" onmouseout="resetColor('green')">Green</button>
  <button onmouseover="changeColor('blue')" onmouseout="resetColor('blue')">Blue</button>
  <script>
    function changeColor(color) {
      document.body.style.backgroundColor = color;
    }

    function resetColor(color) {
      document.body.style.backgroundColor = "white";
    }
  </script>
</body>
</html>
```

2.

```
<!DOCTYPE html>

<html>

<head>
  <title>JavaScript</title>
```

```
</head>

<body>

  <h3>Circle</h3>


  <script>

    function calculateArea() {

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


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

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

      } else {

        var area = Math.PI * radius * radius;

        alert("The area of the circle with radius " + radius + " is: " + area.toFixed(2));

      }

    }

    calculateArea();

  </script>

</body>

</html>
```