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<!DOCTYPE html>
<html>

<head>
  <title>Simple Input Form</title>
</head>

<body>
  <h1>Welcome to the Simple Condition program!</h1>
  <p>Enter any integer number:</p>

  <label for="number">Name:</label>
  <input type="number" id="number" name="number" required><br><br>

  <button onclick="submitForm()">Submit</button>

  <script src="scriptcond.js"></script>
</body>

</html>
```

```
function submitForm() {
  let number = parseInt(document.getElementById("name").value);
  if (number > 0) {
    // the body of the if statement
    //console.log("The number is positive");
    alert("Your inputed number is " + positive + ".");
  }
}
```

```
<!DOCTYPE html>
<html>

<head>
  <title>JavaScript Loop</title>
  <script>
    function loopFunction() {
      for (var i = 1; i <= 10; i++) {
        console.log("Iteration " + i);
      }
    }
  </script>
</head>

<body>
  <h2>Simple Loop Example</h2>
  <button onclick="loopFunction()">Start Loop</button>
  <p>Open your browser's console to see the loop output.</p>
</body>

</html>
```

```
<!DOCTYPE html>
<html>

<head>
  <title>Nested If Statement Example</title>
  <script>
    function validateForm() {
      var name = document.forms["myForm"]["name"].value;
      var age = document.forms["myForm"]["age"].value;

      if (name == "" || age == "") {
        alert("Name and Age must be filled out");
        return false;
      } else {
        if (isNaN(age) || age < 1 || age > 100) {
          alert("Age must be a number between 1 and 100");
          return false;
        } else {
          alert("Submission successful!");
          return true;
        }
      }
    }
  </script>
</head>

<body>
  <form name="myForm" action="/submit_form" onsubmit="return validateForm()" method="post">
    Name: <input type="text" name="name">
    <br>
    Age: <input type="text" name="age">
    <br>
    <input type="submit" value="Submit">
  </form>
</body>

</html>
```

```
<!DOCTYPE html>
<html>

<head>
  <title>Nested Loop Example</title>
</head>

<body>
  <h2>Nested Loop Example</h2>
  <button onclick="nestedLoopFunction()">Start Nested Loop</button>
  <p>Open your browser's console to see the loop output.</p>

  <script>
    function nestedLoopFunction() {
      for (var i = 1; i <= 3; i++) {
        console.log("Outer loop iteration " + i);
        for (var j = 1; j <= 3; j++) {
          console.log(" Inner loop iteration " + j);
        }
      }
    }
  </script>
</body>

</html>
```

```
<!DOCTYPE html>
<html>

<head>
  <title>JavaScript Program</title>
  <script>
    function getMonth() {
      var monthNumber = document.getElementById('monthNumber').value;
      var monthName = '';

      switch (monthNumber) {
        case '1':
          monthName = 'January';
          break;
        case '2':
          monthName = 'February';
          break;
        case '3':
          monthName = 'March';
          break;
        case '4':
          monthName = 'April';
          break;
        case '5':
          monthName = 'May';
          break;
        case '6':
          monthName = 'June';
          break;
        case '7':
          monthName = 'July';
          break;
        case '8':
          monthName = 'August';
          break;
        case '9':
          monthName = 'September';
          break;
        case '10':
          monthName = 'October';
          break;
        case '11':
          monthName = 'November';
          break;
        case '12':
          monthName = 'December';
          break;
        default:
```

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        monthName = 'Invalid month number';
    }

    document.getElementById('monthName').value = monthName;
}
</script>
</head>

<body>
    <h1>JavaScript Program</h1>
    <form>
        <label for="monthNumber">Enter month number:</label>
        <input type="text" id="monthNumber" name="monthNumber">
        <button type="button" onclick="getMonth()">Submit</button>
    </form>
    <p>The month name is: <output id="monthName"></output></p>
</body>

</html>
```

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Integer Calculator</title>
</head>
<body>
  <h1>Integer Calculator</h1>

  <form id="calcForm">
    <label for="num1">Enter first number:</label>
    <input type="number" id="num1" name="num1" required>

    <label for="num2">Enter second number:</label>
    <input type="number" id="num2" name="num2" required>

    <button type="button" onclick="calculate()">Calculate</button>
  </form>

  <div class="result" id="result"></div>

  <script>

function calculate(){
  //parseInt() function parses a string and returns an integer
  num1 = parseInt(document.getElementById('num1').value);
  num2 = parseInt(document.getElementById('num2').value);

  sum = num1 + num2;
  product = num1 * num2;
  average = (num1 + num2) / 2;
  quotient = num1 / num2;

  result = `
  Sum: ${sum}<br>
  Product: ${product}<br>
  Average: ${average}<br>
  Quotient: ${quotient}
  `;

  document.getElementById('result').innerHTML = result;
}
  </script>
</body>
</html>

```