

WEEK-6 ASSIGNMENT

Create an HTML page for the following: -

- a) Take an input from textbox and find whether it is even or odd, on button click.
- b) Take an input from textbox and find its factorial on button click.
- c) Take an input from textbox and print its multiplication table.

Extracts a number between 0 and 999 from a text field and displays it in words

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Number Operations</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      display: flex;
      flex-direction: column;
      align-items: center;
      margin-top: 50px;
    }
    .section {
      margin-bottom: 20px;
      padding: 20px;
      border: 1px solid #ddd;
      width: 300px;
      text-align: center;
    }
    .result {
      margin-top: 10px;
      font-weight: bold;
    }
  </style>
</head>
<body>

  <!-- Section A: Even or Odd -->
  <div class="section">
    <h2>Even or Odd</h2>
```

```

        <input type="number" id="evenOddInput" placeholder="Enter a number">
        <button onclick="checkEvenOdd()">Check</button>
        <p class="result" id="evenOddResult"></p>
    </div>

    <!-- Section B: Factorial -->
    <div class="section">
        <h2>Factorial</h2>
        <input type="number" id="factorialInput" placeholder="Enter a number">
        <button onclick="calculateFactorial()">Calculate</button>
        <p class="result" id="factorialResult"></p>
    </div>

    <!-- Section C: Multiplication Table -->
    <div class="section">
        <h2>Multiplication Table</h2>
        <input type="number" id="tableInput" placeholder="Enter a number">
        <button onclick="printMultiplicationTable()">Print Table</button>
        <pre class="result" id="tableResult"></pre>
    </div>

    <!-- Section D: Number to Words -->
    <div class="section">
        <h2>Number to Words</h2>
        <input type="number" id="numberToWordsInput" placeholder="Enter a
number (0-999)">
        <button onclick="convertNumberToWords()">Convert</button>
        <p class="result" id="numberToWordsResult"></p>
    </div>

    <script>
        // Even or Odd Checker
        function checkEvenOdd() {
            const num =
parseInt(document.getElementById('evenOddInput').value);
            document.getElementById('evenOddResult').textContent = (num % 2
=== 0) ? `${num} is Even` : `${num} is Odd`;
        }

        // Factorial Calculator
        function calculateFactorial() {
            const num =
parseInt(document.getElementById('factorialInput').value);
            let factorial = 1;
            for (let i = 1; i <= num; i++) {
                factorial *= i;
            }
        }
    </script>

```

```

        document.getElementById('factorialResult').textContent =
`Factorial of ${num} is ${factorial}`;
    }

    // Multiplication Table Printer
    function printMultiplicationTable() {
        const num = parseInt(document.getElementById('tableInput').value);
        let table = '';
        for (let i = 1; i <= 10; i++) {
            table += `${num} x ${i} = ${num * i}\n`;
        }
        document.getElementById('tableResult').textContent = table;
    }

    // Number to Words Converter (0-999)
    function convertNumberToWords() {
        const num =
parseInt(document.getElementById('numberToWordsInput').value);
        if (num < 0 || num > 999) {
            document.getElementById('numberToWordsResult').textContent =
'Please enter a number between 0 and 999';
            return;
        }

        const ones = ["", "One", "Two", "Three", "Four", "Five", "Six",
"Seven", "Eight", "Nine"];
        const teens = ["Ten", "Eleven", "Twelve", "Thirteen", "Fourteen",
"Fifteen", "Sixteen", "Seventeen", "Eighteen", "Nineteen"];
        const tens = ["", "", "Twenty", "Thirty", "Forty", "Fifty",
"Sixty", "Seventy", "Eighty", "Ninety"];

        let words = '';
        const hundred = Math.floor(num / 100);
        const remainder = num % 100;
        const ten = Math.floor(remainder / 10);
        const one = remainder % 10;

        if (hundred > 0) {
            words += ones[hundred] + ' Hundred ';
        }
        if (remainder >= 10 && remainder < 20) {
            words += teens[remainder - 10];
        } else {
            if (ten > 1) {
                words += tens[ten] + ' ';
            }
            if (one > 0) {
                words += ones[one];
            }
        }
    }

```

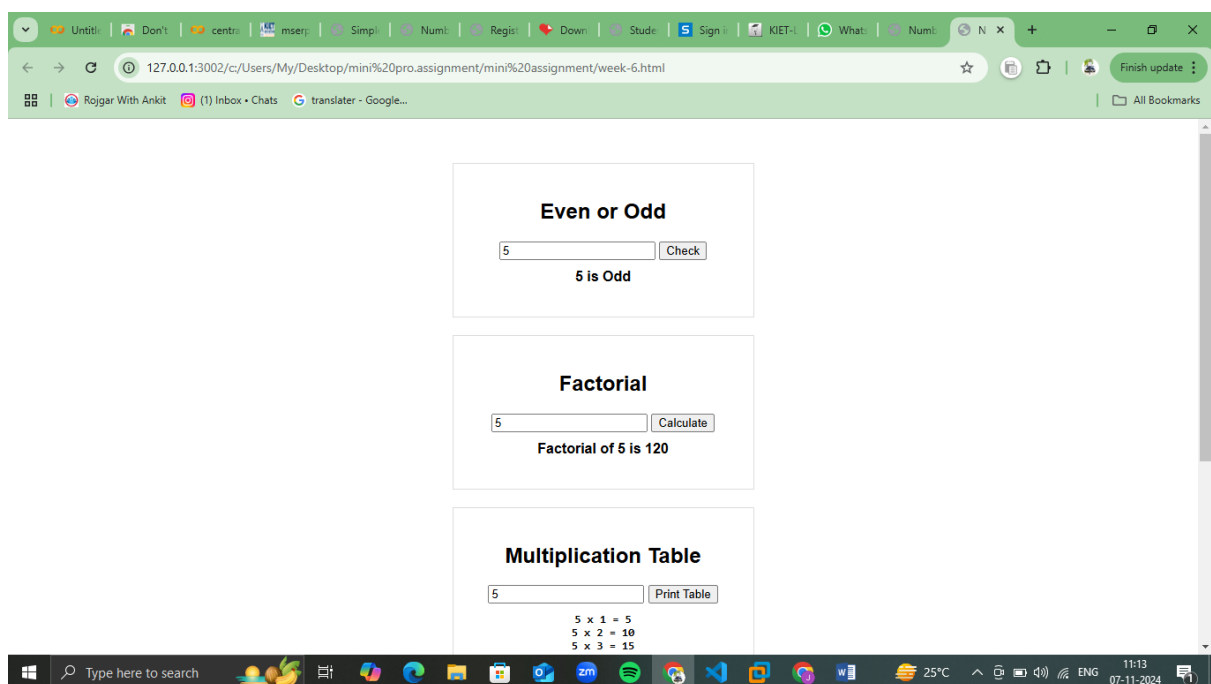
```

    }
}

document.getElementById('numberToWordsResult').textContent = words
|| "Zero";
}
</script>

</body>
</html>

```



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5Calculate

Factorial of 5 is 120

Multiplication Table

5Print Table

5 x 1 = 5

5 x 2 = 10

5 x 3 = 15

5 x 4 = 20

5 x 5 = 25

5 x 6 = 30

5 x 7 = 35

5 x 8 = 40

5 x 9 = 45

5 x 10 = 50

Number to Words

5Convert

Five

Type here to search

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