- **Task 4**

CREATE A CALCULATOR USING HTML, CSS & JS OR REACT JS

Ans:-

```html
<!DOCTYPE html>
<html>
<head>
  <title>Calculator</title>
  <style>
    body {
      font-family: Arial, sans-serif;
      background-color: #f4f4f4;
      margin: 0;
      padding: 0;
    }

    .container {
      max-width: 300px;
      margin: 20px auto;
      background-color: #fff;
      border-radius: 5px;
      padding: 20px;
      box-shadow: 0 2px 5px rgba(0, 0, 0, 0.1);
    }

    h1 {
      text-align: center;
    }

    .calculator {
      display: grid;
      grid-template-columns: repeat(4, 1fr);
      grid-gap: 10px;
      margin-top: 20px;
    }

    .calculator button {
      padding: 10px;
      border: none;
      background-color: #f4f4f4;
      color: #333;
      font-size: 18px;
      cursor: pointer;
```

```html
      }

    .calculator button:hover {
      background-color: #ccc;
    }

    .result {
      margin-top: 20px;
      background-color: #f4f4f4;
      padding: 10px;
      text-align: right;
      font-size: 24px;
    }
  </style>
</head>
<body>
  <div class="container">
    <h1>Calculator</h1>
    <div class="calculator">
      <button class="operator">+</button>
      <button class="operator">-</button>
      <button class="operator">*</button>
      <button class="operator">/</button>
      <button>7</button>
      <button>8</button>
      <button>9</button>
      <button>4</button>
      <button>5</button>
      <button>6</button>
      <button>1</button>
      <button>2</button>
      <button>3</button>
      <button>0</button>
      <button>.</button>
      <button id="clear">C</button>
      <button id="equals">=</button>
    </div>
    <div class="result" id="result"></div>
  </div>

  <script>
    const buttons = document.querySelectorAll('button');
    const result = document.getElementById('result');
    let calculation = '';
```

```
buttons.forEach((button) => {
  button.addEventListener('click', function() {
    const buttonValue = button.textContent;

    if (buttonValue === '=') {
      try {
        const answer = eval(calculation);
        result.textContent = answer;
        calculation = '';
      } catch (error) {
        result.textContent = 'Error';
        calculation = '';
      }
    } else if (buttonValue === 'C') {
      calculation = '';
      result.textContent = '';
    } else {
      calculation += buttonValue;
      result.textContent = calculation;
    }
  });
});
</script>
</body>
</html>
```