# CS-344: Web Engineering

# LAB 06

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# Class: BSCS-9B

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**Task 01**

## Code:

### HTML:

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| <!-- Mahum Samar  290647  BSCS-9B -->  <!DOCTYPE html>  <html lang="en">  <head>      <meta charset="UTF-8">      <meta http-equiv="X-UA-Compatible" content="IE=edge">      <meta name="viewport" content="width=device-width, initial-scale=1.0">      <title>Calculator</title>      <link rel="stylesheet" href="style.css">      <link rel="preconnect" href="https://fonts.gstatic.com">      <link rel="preconnect" href="https://fonts.gstatic.com">      <link rel="preconnect" href="https://fonts.gstatic.com">  <link href="https://fonts.googleapis.com/css2?family=Dancing+Script:wght@700&display=swap" rel="stylesheet">  </head>  <body>      <div class="container">          <h1>Simple Calculator</h1>          <div class="bgCal">              <input type="text" name="inp" id="inp">              <table>                  <tr>                      <td><button>MC</button></td>                      <td><button>0</button></td>                      <td><button>1</button></td>                      <td><button>2</button></td>                      <td><button>+</button></td>                  </tr>                  <tr>                      <td><button>MS</button></td>                      <td><button>3</button></td>                      <td><button>4</button></td>                      <td><button>5</button></td>                      <td><button>-</button></td>                  </tr>                  <tr>                      <td><button>MR</button></td>                      <td><button>6</button></td>                      <td><button>7</button></td>                      <td><button>8</button></td>                      <td><button>x</button></td>                  </tr>                  <tr>                      <td><button>M+</button></td>                      <td><button>9</button></td>                      <td><button>±</button></td>                      <td><button>=</button></td>                      <td><button>/</button></td>                  </tr>                  <tr>                      <td><button>1/x</button></td>                      <td><button>.</button></td>                      <td><button>x<sup>2</sup></button></td>                      <td><button>√</button></td>                      <td><button>C</button></td>                  </tr>              </table>          </div>      </div>      <script src="index.js"></script>  </body>  </html> |

Javascript:

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| // Mahum Samar  // 290647  // BSCS-9B  let inp = document.getElementById("inp");  buttoms = document.querySelectorAll("button");  let inValue = "";  let result = 0;  for (item of buttoms) {    item.addEventListener("click", (e) => {      buttonText = e.target.innerText;      console.log("button text is ", buttonText);      if (buttonText == "x") {        buttonText = "\*";        inValue += buttonText;        inp.value = inValue;        result = inp.value;      } else if (buttonText == "C") {        inValue = "";        inp.value = inValue;      } else if (buttonText == "=") {        inp.value = eval(inValue);        result = inp.value;      } else if (buttonText == "x2") {        inValue = Math.pow(inp.value, 2);        inp.value = inValue;        result = inp.value;      } else if (buttonText == "1/x") {        inValue = eval(1 / inValue);        inp.value = inValue;        result = inp.value;      } else if (buttonText == "√") {        inValue = Math.sqrt(inValue);        inp.value = inValue;        result = inp.value;      } else if (buttonText == "±") {        inValue = eval(-1 \* inValue);        inp.value = inValue;        result = inp.value;      } else if (buttonText == "MC") {        result = 0;      } else if (buttonText == ".") {        inValue = inValue + ".0";        inp.value = inValue;      } else if (buttonText == "MS") {        if (!isNaN(inp.value)) {          console.log("MS called");          result = inp.value;          console.log(result);        }      } else if (buttonText == "MR") {        inp.value = result;      } else if (buttonText == "M+") {        if (!isNaN(inp.value)) {          console.log("M+ called");          console.log(result);          result = Number(result) + Number(inp.value);          console.log(result);        }      } else {        inValue += buttonText;        inp.value = inValue;      }    });  } |

CSS:

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| /\* Mahum Samar  290647  BSCS-9B \*/  body {    background-image: url(bg.png);    background-size: cover;  }  h1 {    margin: 2em;    font-family: "Dancing Script", cursive;    color: rgb(26, 78, 61);  }  .container {    text-align: center;  }  table {    margin: auto;  }  input {    font-size: 2.8em;    border-radius: 0.2em;    margin: 0.5em;  }  button {    font-size: 2em;    width: 3em;    height: 2em;    margin: 0.2em;    border: grey;    border-radius: 0.4em;    background: #a6d9cc;    box-shadow: 0 8px 16px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);  }  .bgCal {    display: inline-block;    border-radius: 0.4em;    box-shadow: 0 8px 16px 0 rgba(0, 0, 0, 0.2), 0 6px 20px 0 rgba(0, 0, 0, 0.19);    padding: 1.5em;  } |

Output:









