Lab2

Advance Programming

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BSCS7A

Task1

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| Solution |
| Task Code:  <html>  <head>  <title> calculator </title>  <style type="text/css">  \*{  margin-left: 15%;  margin-right: 15%;  margin-top: 3%;  }  #answer{  margin-right: 3%;  width: 320px;  height: 55px;  background-color: #A4A4A4;  text-align: left;  color: black;  font-size: 30px;  }  .box{  width: 80px;  height: 50px;  background-color: #A4A4A4;  border : 1px solid gray;  text-align: center;  color: black;  font-size: 30px;  }  .box1{  width: 80px;  height: 50px;  background-color: #A4A4A4;  border : 1px solid gray;  text-align: center;  color: black;  font-size: 30px;  }  #equals{  background-color: #A4A4A4;  }  #clear{  background-color: #A4A4A4;  }  h1{  text-align: center;  }  </style>  </head>  <body>  <h1>calculator</h1>  <table style="border: 2px solid gray">  <tr>  <td colspan="5" id="answer"></td>  </tr>  <tr>  <td class="box" id="mc">MC</td>  <td class="box button" data-num='0'> 0</td>  <td class="box button" data-num='1'>1</td>  <td class="box button" data-num='2'>2</td>  <td class="box1 button" id="add" data-num='+'>+</td>  </tr>  <tr>  <td class="box" id="ms">MS</td>  <td class="box button" data-num='3'>3</td>  <td class="box button" data-num='4'>4</td>  <td class="box button" data-num='5'>5</td>  <td class="box1 button" id="subtract" data-num='-'>-</td>  </tr>  <tr>  <td class="box" id="mr">MR</td>  <td class="box button" data-num='6'>6</td>  <td class="box button" data-num='7'>7</td>  <td class="box button" data-num='8'>8</td>  <td class="box1 button" id="multiply" data-num='\*'>x</td>  </tr>  <tr>  <td class="box" id="m+">M+</td>  <td class="box button" data-num='9'>9</td>  <td class="box button" id="plusmin">+-</td>  <td class="box" id="equals">=</td>  <td class="box1 button" id="divide" data-num='/'>/</td>    </tr>  <tr>  <td class="box button" id="reciprocal">1/x</td>  <td class="box button" data-num='.' >.</td>  <td class="box button" id="square">x2</td>  <td class="box button" id="sqr">√</td>  <td class="box" id="clear">C</td>    </tr>    </table>  <script type="text/javascript">  const buttons = document.querySelectorAll('.button');  const answer = document.getElementById('answer');  const equal = document.getElementById('equals');  const clear = document.getElementById('clear');  const sqr = document.getElementById('sqr');  const square = document.getElementById("square");  const den = document.getElementById("reciprocal");  const Mr = document.getElementById("mr");  const Ms = document.getElementById("ms");  const Mc = document.getElementById("mc");  const Mplus = document.getElementById("m+");  const pm = document.getElementById("plusmin");  buttons.forEach(function(btn){  btn.addEventListener('click' , function(){  let num = btn.getAttribute('data-num');  answer.innerHTML += num;  });    });  equal.addEventListener('click' , equalHandler);  function equalHandler(){  let value1 = eval(answer.innerHTML);  answer.innerHTML = value1;    }  clear.addEventListener('click' , clearHandler);  function clearHandler(){  answer.innerHTML = " ";  };  sqr.addEventListener('click' , squareRoot);  function squareRoot() {  x = parseInt(answer.innerHTML);  answer.innerHTML = Math.sqrt(x);  }  square.addEventListener('click' , square1);  function square1(){  x = parseInt(answer.innerHTML);  answer.innerHTML = Math.pow(x,2);  }  den.addEventListener('click' , denm);  function denm(){  x = parseInt(answer.innerHTML);  answer.innerHTML = 1/x;  }  var num = 0;  Ms.addEventListener('click' , storeNum);  function storeNum(){  num = parseInt(answer.innerHTML);  }  Mr.addEventListener('click' , readnum);  function readnum(){  answer.innerHTML = num;  }  Mc.addEventListener('click' , clearnum);  function clearnum(){  num = 0;  }  Mplus.addEventListener('click' , mplus);  function mplus(){  b = parseInt(answer.innerHTML);  answer.innerHTML=++b;  }  pm.addEventListener('click', plusminus);  function plusminus(){  a=parseInt(answer.innerHTML);  answer.innerHTML=a\*(-1) ;  }  </script>  </body>  </html>  Task Output Screenshot: |