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**Reg# 211972**

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| Solution |
| Task Code:  <!DOCTYPE html>  <html>  <head>  <title> calculator </title>  <style type="text/css">  \*{  margin-left: 15%;  margin-right: 15%;  margin-top: 3%;  }  table{  border: solid;  border-color: black;  }  tr td{  border:solid black;  }  #result{  margin-right: 3%;  width: 200px;  height: 40px;  background-color: white;  text-align: left;  color: black;  font-size: 35px;  }  .hello{  width: 80px;  height: 50px;  background-color: grey;  border : 1px solid white;  text-align: center;  color: black;  font-size: 30px;  }  </style>  </head>  <body>  <table>  <tr>  <td colspan="5" id="result"></td>  </tr>  <tr>  <td class="hello" id="mc">MC</td>  <td class="hello all" data-num='0'>0</td>  <td class="hello all" data-num='1'>1</td>  <td class="hello all" data-num='2'>2</td>    <td class="hello all" id="add" data-num='+'>+</td>  </tr>  <tr>  <td class="hello" id="ms">MS</td>  <td class="hello all" data-num='3'>3</td>  <td class="hello all" data-num='4'>4</td>  <td class="hello all" data-num='5'>5</td>  <td class="hello all" id="subtract" data-num='-'>-</td>  </tr>  <tr>  <td class="hello" id="mr">MR</td>  <td class="hello all" data-num='6'>6</td>  <td class="hello all" data-num='7'>7</td>  <td class="hello all" data-num='8'>8</td>  <td class="hello all" id="multiply" data-num='\*'>x</td>  </tr>  <tr>  <td class="hello" id="m+">M+</td>  <td class="hello all" data-num='9'>9</td>  <td class="hello" id="maxmin">+-</td>  <td class="hello all" id="equal1">=</td>  <td class="hello all" id="division" data-num='/'>/</td>  </tr>  <tr>  <td class="hello all" id="dev">1/x</td>  <td class="hello all" data-num='.'>.</td>  <td class="hello all" id="sqr1">x2</td>  <td class="hello all" id="sqr">√</td>  <td class="hello all" id="clear2">C</td>  </tr>    </table>  <script type="text/javascript">  const all = document.querySelectorAll('.all');  const result = document.getElementById('result');  const eq = document.getElementById('equal1');  const clear2 = document.getElementById('clear2');  const sqr = document.getElementById('sqr');  const square = document.getElementById("sqr1");  const den = document.getElementById("den");  const Mr = document.getElementById("mr");  const Ms = document.getElementById("ms");  const Mc = document.getElementById("mc");  const Mplus = document.getElementById("m+");  all.forEach(function(a){  a.addEventListener('click' , function(){  let number =a.getAttribute('data-num');  result.innerHTML += number;  });    });  document.addEventListener('keydown', function(event){  if(event.key == 'Enter'){equal1();}  if(event.key == 'C' || event.key == 'c'){clear1();}  let arr = ['1','2','3','4','5','6','7','8','9','0' , '+','-','\*','/'];  if(arr.indexOf(event.key) >= 0){  result.innerHTML += event.key;  }  });  eq.addEventListener('click' , eq1);  function eq1(){  let value1 = eval(result.innerHTML);  result.innerHTML = value1;  }  clear2.addEventListener('click' , clear1);  function clear1(){  result.innerHTML = " ";  }  sqr.addEventListener('click' , sqrt1);  function sqrt1() {  x = parseInt(result.innerHTML);  result.innerHTML = Math.sqrt(x);  }  sqr1.addEventListener('click' , pow);  function pow(){  x = parseInt(result.innerHTML);  result.innerHTML = Math.pow(x,2);  }  dev.addEventListener('click' , dev2);  function dev2(){  x = parseInt(result.innerHTML);  result.innerHTML = 1/x;  }  var num = 0;  Ms.addEventListener('click' , storeNum);  function storeNum(){  num = parseInt(result.innerHTML);  }  Mr.addEventListener('click' , readnum);  function readnum(){  result.innerHTML = num;  }  Mc.addEventListener('click' , clearnum);  function clearnum(){  num = 0;  }  Mplus.addEventListener('click' , mplus);  function mplus(){  b = parseInt(result.innerHTML);  result.innerHTML=++b;  }  maxmin.addEventListener('click', plusminus);  function plusminus(){  a=parseInt(result.innerHTML);  result.innerHTML=a\*(-1) ;  }  </script>  </body>  </html>  Task Output Screenshot:  Square root      Power: |

### Deliverables

Compile a single word document by filling in the solution part and submit this Word file on LMS. This lab grading policy is as follows: The lab is graded between 0 to 10 marks. The submitted solution can get a maximum of 5 marks. At the end of each lab or in the next lab, there will be a viva related to the tasks. The viva has a weightage of 5 marks. Insert the solution/answer in this document. You must show the implementation of the tasks in the designing tool, along with your complete Word document to get your work graded. You must also submit this Word document on the LMS. In case of any problems with submissions on LMS, submit your Lab assignments by emailing it to Ms. Ayesha Asif: [ayesha.asif@seecs.edu.pk](mailto:ayesha.asif@seecs.edu.pk).