# Department of Computing

**CS-213: Advanced Programming**

**Class: BSCS 7AB**

# Lab 2: Javascript

**Date: 12 September, 2019**

**Time: 10:00-01:00pm & 02:00-05:00pm**

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**Lab Engineer: Ms. Ayesha Asif**

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# Lab 2: Javascript

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| Solution |
| Task Code:  <html>  <head>  <title>Calculator</title>  <style>  .button{  margin: 0;  padding: 0;  width :70;  height :70; ;  font-size: 30;  margin: 2;  cursor: pointer;  }  .textview{  width: 307;  margin: 5;  font-size: 25;  padding: 8;  }  .main{  position: absolute;  background-color: #808080;  }  </style>  </head>  <body>  <div class ="main">  <form name ="form">  <input class ="textview" name="textview">  </form>  <table>  <tr>  <td><input class ="button" type ="button" value ="MC" onclick="clear1()"></td>  <td><input class ="button" type ="button" value ="1" onclick="insert(1)"></td>  <td><input class ="button" type ="button" value ="2" onclick="insert(2)"></td>  <td><input class ="button" type ="button" value ="3" onclick="insert(3)"></td>  <td><input class ="button" type ="button" value ="+" onclick="insert('+')"></td>  </tr>  <tr>  <td><input class ="button" type ="button" value ="MS" onclick="store()"></td>  <td><input class ="button" type ="button" value ="4" onclick="insert(4)"></td>  <td><input class ="button" type ="button" value ="5" onclick="insert(5)"></td>  <td><input class ="button" type ="button" value ="6" onclick="insert(6)" ></td>  <td><input class ="button" type ="button" value ="-" onclick="insert('-')"></td>  </tr>  <tr>  <td><input class ="button" type ="button" value ="MR" onclick="recall()"></td>  <td><input class ="button" type ="button" value ="7" onclick="insert(7)"></td>  <td><input class ="button" type ="button" value ="8" onclick="insert(8)"></td>  <td><input class ="button" type ="button" value ="9" onclick="insert(9)"></td>  <td><input class ="button" type ="button" value ="\*" onclick="insert('\*')"></td>  </tr>  <tr>  <td><input class ="button" type ="button" value ="M+" onclick="add\_and\_store()"></td>  <td><input class ="button" type ="button" value ="0" onclick="insert(0)"></td>  <td><input class ="button" type ="button" value ="+-"onclick="negate()"></td>  <td><input class ="button" type ="button" value ="=" onclick="equal()"></td>  <td><input class ="button" type ="button" value ="/" onclick="insert('/'')"></td>  </tr>  <tr>  <td><input class ="button" type ="button" value ="1/x"onclick="reciprocal()"></td>  <td><input class ="button" type ="button" value ="." onclick="insert\_deci()"></td>  <td><input class ="button" type ="button" value ="x2" onclick="power()"></td>  <td><input class ="button" type ="button" value ="sqr"onclick="squareRoot()"></td>  <td><input class ="button" type ="button" value ="C" onclick="clean()"></td>  </tr>  </table>  </div>  <script>  var val = "";  function insert\_deci(){  num = document.form.textview.value;  last\_ch = num[num.length - 1];  if(isNaN(last\_ch) == false)  insert('.0');  }  function clear1(){  val = null;  }  function insert(num){  temp = document.form.textview.value;  n = temp.length;  last\_chs = temp.slice(n-2, n+1);  if(last\_chs != '.0')  document.form.textview.value = document.form.textview.value + num;  else{  new\_v = document.form.textview.value.substring(0, document.form.textview.value.length - 1);;  console.log(new\_v);  document.form.textview.value = new\_v + num;  }  }  function equal(){  var e = document.form.textview.value;  if(e)  document.form.textview.value = eval(e);  }  function squareRoot(){  var g = document.form.textview.value;  document.form.textview.value= Math.sqrt(g);  }  function clean(){  document.form.textview.value ="";  }  function power(){  document.form.textview.value = Math.pow(document.form.textview.value,2);  }  function reciprocal(){  var r = document.form.textview.value;  document.form.textview.value = 1/r;  }  function store(){  if(isNaN(document.form.textview.value) == false)  val = document.form.textview.value;  }  function recall(){  document.form.textview.value = val;  }  function add\_and\_store(){  temp = document.form.textview.value;  val = eval(temp+'+'+val);  }  function negate(){  document.form.textview.value = -1 \* document.form.textview.value;  }  </script>    </body>  </html>  Task Output Screenshot: |