Exercise 7 – Calculator using jquery

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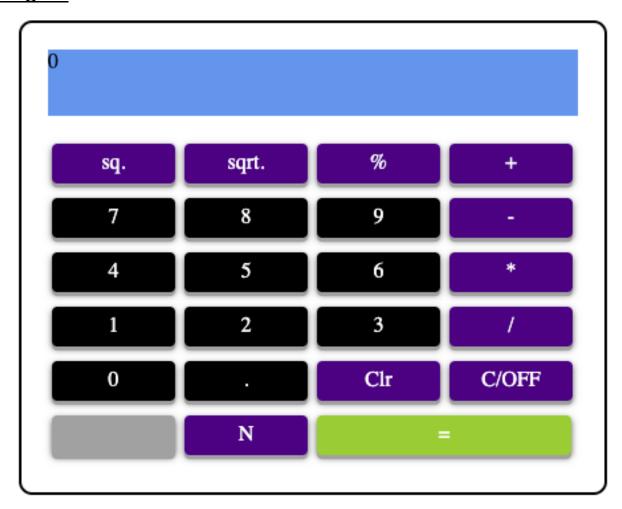
Name of Student: Rohan Mittal

```
<!DOCTYPE html>
   <meta charset="utf-8" />
   <title>Exercise 7</title>
   <style type="text/css">
     body {
       margin: 30px;
     #calculator {
       position: relative;
       width: 400px;
       border: 2px solid black;
       border-radius: 10px;
       margin: 0px auto;
       padding: 20px 20px 20px 20px;
     .key, .dummy {
       width: 93px;
       height: 20px;
       background: black;
       color: white;
           display: inline-block;
           margin: 3px 0px 8px 3px;
           vertical-align: bottom;
           text-align: center;
           padding: 5px 0px 5px 0px;
           border-radius: 4px;
           cursor: pointer;
       box-shadow: 0 3px 0 #a1a1a1, 0 2px 5px rgba(0, 0, 0, .75);
   .dummy{
       cursor:not-allowed;
       background-color: #a1a1a1;
   .op{
       background-color: indigo;
   .eq{
       background-color: yellowgreen;
```

```
width: 192px;
   </style>
 <body>
    <h1>CALCULATOR</h1>
    <div id="calculator">
        <div id="result" style="height: 50px; background-color: cornflowerblue;">
            </div><br>
            <span class="key op">sq.</span>
            <span class="key op">sqrt.</span>
            <span class="key op">%</span>
            <span class="key op">+</span><br>
            <span class="key">7</span>
            <span class="key">8</span>
            <span class="key">9</span>
            <span class="key op">-</span><br>
            <span class="key">4</span>
            <span class="key">5</span>
            <span class="key">6</span>
            <span class="key op">*</span><br>
            <span class="key">1</span>
            <span class="key">2</span>
            <span class="key">3</span>
            <span class="key op">/</span><br>
            <span class="key">0</span>
            <span class="key">.</span>
            <span class="key op">Clr</span>
            <span class="key op">C/OFF</span><br>
            <span class="dummy"></span>
            <span class="key op">N</span>
            <span class="key eq">=</span>
        </div>
   </div>
 </body>
 <script src='https://ajax.googleapis.com/ajax/libs/jquery/1.11.0/jquery.min.js'</pre>
type='text/javascript'></script>
 <script type="text/javascript">
    $(document).ready(function(){
        var displayValue = '0';
        $('#result').text(displayValue);
        $('.key').each(function(index, key){
            $(this).click(function(e){
                if(displayValue == '0') displayValue = '';
                if($(this).text() == 'Clr')
```

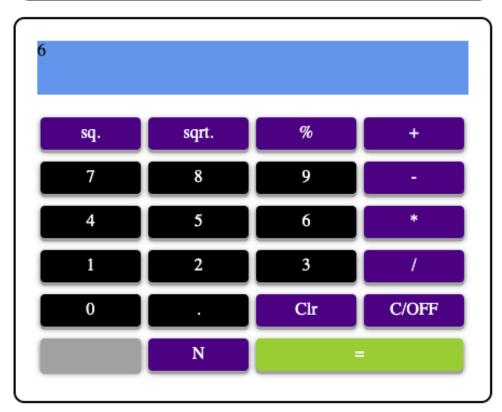
```
displayValue = '0';
                    $('#result').text(displayValue);
                }else if($(this).text() == 'C/OFF'){
                    if(document.getElementById('result').innerHTML=='Invalid Input!'){
                        displayValue='0'
                        $('#result').text(displayValue);
                    }else{
                        displayValue =
document.getElementById('result').innerHTML.substring(0,
document.getElementById('result').innerHTML.length - 1);
                    $('#result').text(displayValue);
                }else if($(this).text()=='N'){
                    displayValue = '-1*' + displayValue;
                    displayValue = eval(displayValue);
                    $('#result').text(displayValue);
                else if($(this).text() == '=')
                    try
                        // displayValue.replace(/([\d\.]+(,\s*[\d\.]+)+)/g, "[$1]")
                        // displayValue = displayValue.replace(/([\d\.]+([\d\.]+)+)/g,
                        console.log(displayValue);
                        if(displayValue.includes('sq.')){
                            displayValue = displayValue.replace('sq.', '');
                            displayValue+='**2';
                        }else if(displayValue.includes('sgrt.')){
                            displayValue = displayValue.replace('sqrt.', '');
                            displayValue+='**0.5';
                        displayValue = displayValue.replace('%', '/100 ');
                        displayValue = eval(displayValue);
                        $('#result').text(displayValue);
                    catch (e)
                        displayValue = '0';
                        $('#result').text('Invalid Input!');
                }
               else
                    displayValue += $(this).text();
                    if($(this).text() == 'sqrt.'){
```

Original



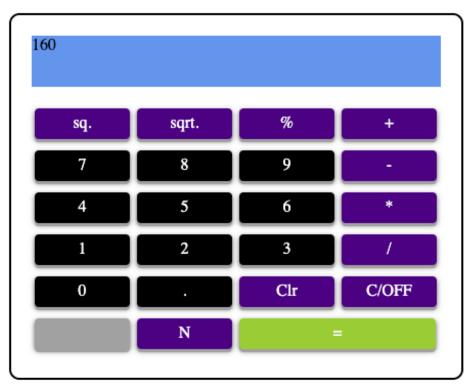
Input/output for 9+3-2*9/3

9+3-2*9/3			
sq.	sqrt.	%	+
7	8	9	-
4	5	6	*
1	2	3	1
0		Clr	C/OFF
	N	=	

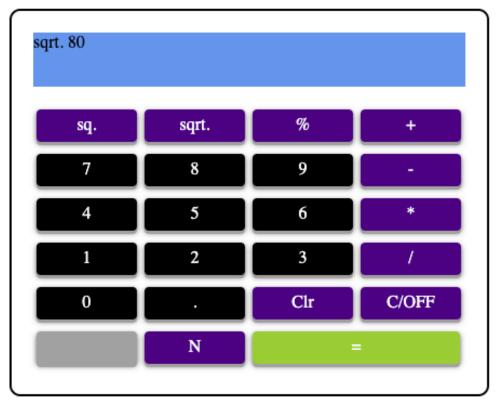


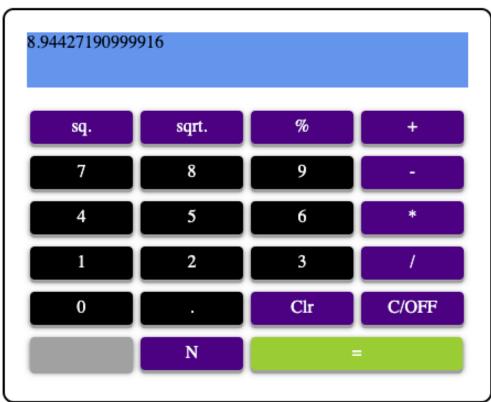
Input/output for 80% of 200

80%*200			
sq.	sqrt.	%	+
7	8	9	
4	5	6	*
1	2	3	1
0		Clr	C/OFF
	N	=	



Input/Output for sqrt. 80





Input/Output for sq.12

