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**Course: Internet and Web programming (CSE-3002) L-23+24**

**Digital Assignment-2**

### **HTML AND JAVASCRIPT Code**

```
<!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>Document</title>

    <link id=ssheet rel="stylesheet" href="call.css">

</head>

<body>

    <table>

        <tr>

            <td id=otp colspan=4><p id=output>0</p></td>

        </tr>

        <tr>

            <td><input type="button" class="btns num" value=1 onclick="Exprappend(this.value)"></td>

            <td><input type="button" class="btns num" value=2 onclick="Exprappend(this.value)"></td>

            <td><input type="button" class="btns num" value=3 onclick="Exprappend(this.value)"></td>

            <td><input type="button" class="btns ope" value=+ onclick="Exprappend(this.value)"></td>

        </tr>

        <tr>

            <td><input type="button" class="btns num" value=4 onclick="Exprappend(this.value)"></td>

            <td><input type="button" class="btns num" value=5 onclick="Exprappend(this.value)"></td>

            <td><input type="button" class="btns num" value=6 onclick="Exprappend(this.value)"></td>
```

```

        <td><input type="button" class="btns ope" value=- onclick="Exprappend(this.value)"></td>
    </tr>
    <tr>
        <td><input type="button" class="btns num" value=7 onclick="Exprappend(this.value)"></td>
        <td><input type="button" class="btns num" value=8 onclick="Exprappend(this.value)"></td>
        <td><input type="button" class="btns num" value=9 onclick="Exprappend(this.value)"></td>
        <td><input type="button" class="btns ope" value=* onclick="Exprappend(this.value)"></td>
    </tr>
    <tr>
        <td><input type="button" class="btns num" value=0 onclick="Exprappend(this.value)"></td>
        <td><input type="button" class="btns num" value=. onclick="Exprappend(this.value)"></td>
        <td><input type="button" class="btns ope" value="=" onclick="Ans()"></td>
        <td><input type="button" class="btns ope" value=/ onclick="Exprappend(this.value)"></td>
    </tr>
    <tr>
        <td colspan=1><input type="button" class="btns ope" value="del" onclick="del()"></td>
        <td colspan=1><input type="button" class="btns ope" value="AC" onclick="AC()"></td>
        <td colspan=2><input type="button" class="btns switch" value="Dark Mode"
onclick="dark()"></td>
    </tr>
</table>
<script>
    var expression="";
    var output=document.getElementById('output');
    function Exprappend(value){
        expression+=value;
        console.log(expression.toString(10));
        output.innerHTML=expression.toString(10);
    }
    function Ans(){
        try{

```

```

if(eval(expression)==undefined){
    throw new Error('Undefined input');
}
expression=eval(expression.toString(10));
output.innerHTML=expression;
}catch(err){
    output.innerHTML="Enter Valid Data";
    expression="";
    console.log(error)
}
}

function del(){
    expression=expression.toString(10).slice(0,-1);
    if(expression.toString(10).length==0){
        expression="";
        output.innerHTML="0"
        return;
    }
    output.innerHTML=expression;
}

function dark(){
    var sheet=document.getElementById('ssheet');
    sheet.setAttribute("href","calD.css");
    var switchero = document.querySelector('.switch');
    switchero.setAttribute("value","Light Mode");
    switchero.setAttribute("onclick","light()");
}

function light(){
    var sheet=document.getElementById('ssheet');
    sheet.setAttribute("href","calL.css");
    var switchero = document.querySelector('.switch');

```

```
        switchero.setAttribute("value","Dark Mode");

        switchero.setAttribute("onclick","dark()");
    }

    function AC(){
        expression="";
        output.innerHTML="0";
    }

</script>
</body>
</html>
```

## CSS Code

### LIGHT MODE (calL.css)

```
table{
    margin-top:200px;
    margin-left: auto;
    margin-right: auto;
}

.btns{
    border-radius:30px;
    width:100px;
    height:60px;
    text-align:center;
    font-size: 30px;
    font-weight: bold;
}

#output{
    text-align:right;
    font-size: 40px;
    border: 2px solid black;
    border-radius:20px;
```

```
width:100%;
padding-right: 5px;
background-color:white;
}
#otp{
width:100%;
}
.num{
color: black;
}
.ope{
color:rgb(140, 0, 255);

}
.switch{
width:100%;
border-radius:30px;
color:rgb(219, 124, 0)
}
body{
background-color:rgb(223, 240, 255);
transition: 0.5s;
-moz-transition: 0.5s;
-webkit-transition: 0.5s;
-ms-transition: 0.5s;
-o-transition: 0.5s;
}
```

### **DARK MODE (calD.css)**

```
table{
margin-top:200px;
```

```
margin-left: auto;
margin-right: auto;
}
.btns{
background-color:rgb(75, 75, 75);
color:white;
border-radius:30px;
width:100px;
height:60px;
text-align:center;
font-size: 30px;
font-weight: bold;
}
#output{
color:rgb(255, 255, 255);
background-color:rgb(97, 97, 97);
text-align:right;
font-size: 40px;
border: 2px solid rgb(51, 51, 51);
border-radius:20px;
width:100%;
box-shadow: 0px 2px rgb(194, 194, 194);
padding-right: 5px;
}
#otp{
width:100%;
}
.num{
color:white;
}
.ope{
```

```
    color:rgb(250, 112, 0)
}
.switch{
    width:100%;
    border-radius:30px;
    color:rgb(57, 253, 204);
}
body{
    background-color:rgb(36, 36, 36);
    transition: 0.5s;
    -moz-transition: 0.5s;
    -webkit-transition: 0.5s;
    -ms-transition: 0.5s;
    -o-transition: 0.5s;
}
```

## SCREENSHOT

