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Calculator

*Develop a **Calculator** using **HTML, CSS** and check for all the **Validations***

Objective:

Develop a web application using HTML, CSS and JavaScript to implement a graphical calculator which performs only addition, subtraction, multiplication and division.

Theory:

In this web program, we have developed a **Calculator** using **HTML, CSS** and validation using **JavaScript**.

We will work with lots and lots of HTML tags like :

- `<html>` : Defines the root of an HTML document
- `<head>` : Contains metadata/information for the document

- `<script>` : Defines a client-side script
- `<style>` : Defines style information for a document
- `<body>` : Defines the document's body
- `<div>` : Defines a section in a document
- `<form>` : Defines an HTML form for user input
- `<table>` : Defines a table
- `<tr>` : Defines a row in a table
- `<td>` : Defines a cell in a table
- `<input>` : Defines an input control

HTML Code

CALCULATOR.html

```
<html>
```

```
<head>
```

```
<style>
```

```
body {
```

```
    background-image: url("hello.jpg.webp");
```

```
    background-repeat: no-repeat;
```

```
    background-size: 140%;
```

```
}
```

```
#display {  
    width: 9cm;  
    height: 2cm;  
}
```

```
input {  
    border-radius: 21px;  
    border: 5px solid #244624;  
    font-size: 34px;  
    height: 65px;  
    width: 80px;  
}
```

```
button {  
    border-radius: 20px;  
    font-size: 40px;  
    background: #978fa0;  
    width: 102px;  
    height: 90px;  
    margin: 6px;  
}
```

```
.calculator {  
    border: 4px solid #13695d;  
    padding: 23px;
```

```
border-radius: 53px;

display: inline-block;

width: 320px;

}
```

```
.title {

margin-bottom: 10px;

padding: 5px 0;

font-size: 40px;

font-weight: bold;

text-align: center;

color: red;

font-family: 'Cookie', cursive;

}
```

```
.output {

margin-bottom: 100px;

padding: 50px;

font-size: 40px;

font-weight: bold;

text-align: center;

color: yellow;

font-family: 'Cookie', cursive;

}
```

</style>

<script>

```
function abc(x) {

document.getElementById("display").value += x;
```

```

    }

    function solve() {

        var x = document.getElementById("display").value;

        var y = eval(x);

        document.getElementById("display").value = y;

    }

    function clr() {

        document.getElementById("display").value = "";

    }

    function sbs() {

        var x = document.getElementById("display").value;

        var l = x.length;

        document.getElementById("display").value = x.substring(0, l - 1);

    }

</script>

</head>

<body>

    <div class="Title" align="centre">

        <h2 style="font-family:cursive ; text-align:center">

            Calculator

        </h2>

    </div>

    <table border="2" align="center" cellpadding="13" cellspacing="10" bgcolor="#6D7B8D"

        style="border-radius:30px 30px 30px 30px;">

        <form name="calculator">

```

```

<tr>

    <td colspan="4" class="output" align="center">

        <input class="calculator" type="textfield" name="ans" value="" id=display>

    </td>

</tr>

```

```

<div class="keys">

```

```

    <tr>

```

```

        <td colspan="2" align="center"><input style="width: 5cm;" type="button"
value="C" onclick="clr()">

```

```

    </td>

```

```

        <td colspan="2" align="center"><input style="width: 5cm;" type="button"
value="=" onclick="solve()">

```

```

    </td>

```

```

</tr>

```

```

<tr>

```

```

    <td><input type="button" value="7" onclick="abc(this.value)"></td>

```

```

    <td><input type="button" value="8" onclick="abc(this.value)"></td>

```

```

    <td><input type="button" value="9" onclick="abc(this.value)"></td>

```

```

    <td><input type="button" value="*" onclick="abc(this.value)"></td>

```

```

</tr>

```

```

<tr>

```

```

    <td><input type="button" value="4" onclick="abc(this.value)"></td>

```

```

    <td><input type="button" value="5" onclick="abc(this.value)"></td>

```

```
<td><input type="button" value="6" onclick="abc(this.value)"></td>
<td><input type="button" value="-" onclick="abc(this.value)"></td>
</tr>
```

```
<tr>
  <td><input type="button" value="1" onclick="abc(this.value)"></td>
  <td><input type="button" value="2" onclick="abc(this.value)"></td>
  <td><input type="button" value="3" onclick="abc(this.value)"></td>
  <td><input type="button" value="+" onclick="abc(this.value)"></td>
</tr>
```

```
<tr>
  <td><input type="button" value="0" onclick="abc(this.value)"></td>
  <td><input type="button" value="." onclick="abc(this.value)"></td>
```

```
<td><input type="button" value="&larr;" onclick="sbs()"></td>
<td><input type="button" value="/" onclick="abc(this.value)"></td>
</tr>
```

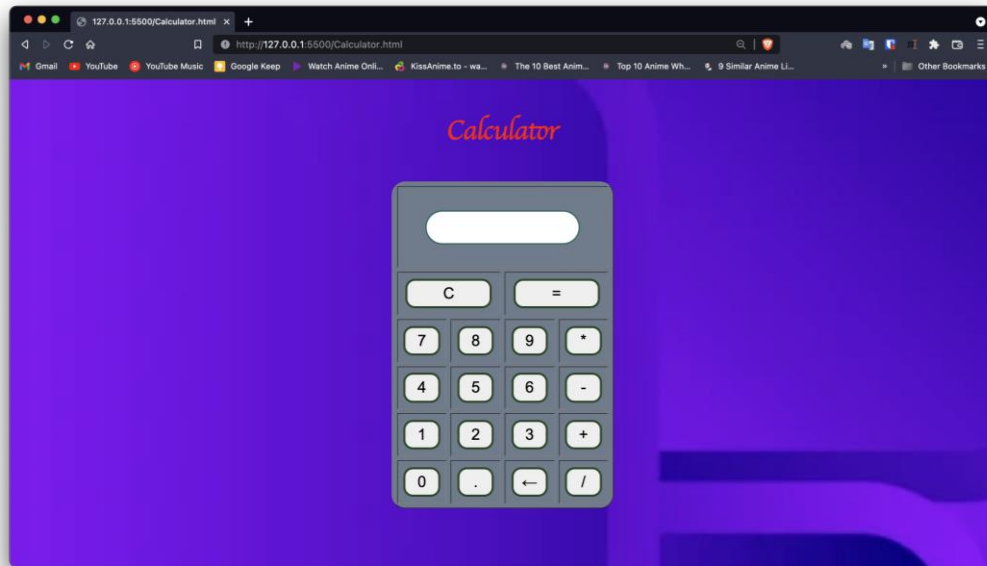
```
</table>
```

```
</div>
```

```
</body>
```

```
</html>
```


Output -



Caption