

PRACTICAL NO. 03

OBJECTIVE:

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

THEORY:

TAGS IN HTML:

SCRIPT:The `<script>` element either contains scripting statements, or it points to an external script file through the `src` attribute.

STYLE:The `<style>` tag is used to define style information (CSS) for a document. Inside the `<style>` element you specify how HTML elements should render in a browser.

INPUT:The `<input>` tag specifies an input field where the user can enter data.

BUTTON:The `<button>` tag defines a clickable button. Inside a `<button>` element you can put. That is not possible with a button created with the `<input>` element

CSS SELECTORS:

1. Class Selector

2.ID Selector

3.Element Selector

TYPE OF CSS:

1.Inline CSS

2.Internal CSS

3.External CSS

TYPE OF SCRIPTING:

1.Internal scripting

2.External scripting

ATTRIBUTE OF <INPUT> TAG:

1.ID:The id attribute specifies a unique id for an HTML element. The value of the id attribute must be unique within the HTML document.The id attribute is used to point to a specific style declaration in a style sheet. It is also used by JavaScript to access and manipulate the element with the specific id.

2.ONCLICK:The onclick event occurs when the user clicks on an HTML element.

3.NAME:The name attribute specifies a name for an HTML element.This name attribute can be used to reference the element in a JavaScript.For a <form> element, the name attribute is used as a reference when the data is submitted.

THIS EXPERIMENT ARE DIVIDED INTO THREE PARTS:

1.HTML:TO DEFINE THE STRUCTURE CREATING BUTTONS ETC.

2.CSS:TO MAKE CACULATOR STYLISH

3.JAVASCRIPT:FOR FUNCTIONING OF CALCULATOR

CODE

```
<html>
```

```
  <head>
```

```
    <title>calculator</title>
```

```
    <script type="text/javascript">
```

```
      function display(value) {
```

```
        document.getElementById("result").value += value;
```

```
      }
```

```
      function calculate() {
```

```
        var p = document.getElementById("result").value;
```

```

var q = eval(p);

document.getElementById("result").value = q;

}

</script>

</style>

</head>

<body>

    <table style="font-family: 'Orbitron', sans-serif;background-color:
    rgba(34, 102, 76, 0.467);color: white;border: solid black 0.5px;width:
    15;border-radius: 5px;" align="center" border="5">

        <tr>

            <td colspan="4"> <input class="display-box" type="text" id="result"
            disabled /> </td>

        <tr>

            <td> <input type="button" value="1" onclick="display('1')" /> </td>
            <td> <input type="button" value="2" onclick="display('2')" /> </td>
            <td> <input type="button" value="3" onclick="display('3')" /> </td>
            <td> <input type="button" value="/" onclick="display('/')" /> </td>

        </tr>

```

```
<tr>
<td> <input type="button" value="4" onclick="display('4')" /> </td>
<td> <input type="button" value="5" onclick="display('5')" /> </td>
<td> <input type="button" value="6" onclick="display('6')" /> </td>
<td> <input type="button" value="-" onclick="display('-)" /> </td>
</tr>
<tr>
<td> <input type="button" value="7" onclick="display('7)" /> </td>
<td> <input type="button" value="8" onclick="display('8)" /> </td>
<td> <input type="button" value="9" onclick="display('9)" /> </td>
<td> <input type="button" value="+" onclick="display('+)" /> </td>
</tr>
<tr>
<td> <input type="button" value="." onclick="display('.')" /> </td>
<td> <input type="button" value="0" onclick="display('0)" /> </td>
<td> <input type="button" value="=" onclick="calculate()" id="btn" />
</td>
<td> <input type="button" value="*" onclick="display('*)" /> </td>
</tr></table>
```

```
</body>
```

```
</html>
```

NOTE:THIS CODE ALSO CONTAIN CSS AND JAVASCRIPT INTERNALLY:

CODE FOR JAVASCRIPT:

```
function display(value) {  
    document.getElementById("result").value += value;  
}
```

```
function calculate() {  
    var p = document.getElementById("result").value;  
    var q = eval(p);  
    document.getElementById("result").value = q;  
}
```

CODE FOR CSS:

```
font-family: 'Orbitron', sans-serif;background-color: rgba(34, 102, 76,  
0.467);color: white;border: solid black 0.5px;width: 15;border-radius:  
5px;
```

OUTPUTS:













