18CS2053L - Web Technology Lab

[URK20CS1080]

Ex. No. 5

Integrating Dynamic Actions using JavaScript

Date of Exercise

07-09-22

Web Host Link

https://github.com/apple0291sandra/Exp5a.html-URK20CS1080-.git

Video Link :

https://drive.google.com/file/d/1ayx6_s5gI5o5PkVnP71I3p9sz2wdbRza/view?usp=sharing

Aim

Create a web page with JavaScript program to perform basic mathematic operations such as addition, subtraction, multiplication, and division for the two given numbers.

Description

document.getElementByID("x"):

The getElementById() method returns an element with a specified value.

The getElementById() method returns null if the element does not exist.

The getElementById() method is one of the most common methods in the HTML DOM. It is used almost every time you want to read or edit an HTML element.

Function:

A JavaScript function is defined with the function keyword, followed by a name, followed by parentheses ().

Function names can contain letters, digits, underscores, and dollar signs (same rules as

variables).

The parentheses may include parameter names separated by commas: (parameter1, parameter2, ...)

The code to be executed, by the function, is placed inside curly brackets: {}

Syntax:

```
function name(parameter1, parameter2, parameter3) {
  // code to be executed }
```

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

Onkeyup: The onkeyup event occurs when the user releases a key (on the keyboard).

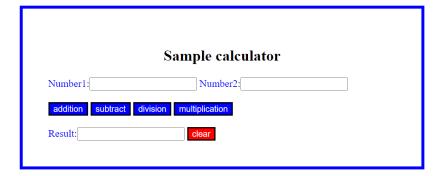
Onchange: The onchange event occurs when the value of an element has been changed. For radiobuttons and checkboxes, the onchange event occurs when the checked state has been changed.

Program:

```
html>
<html lang="en">
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
function add(){
var a = parseInt(document.getElementById('t1').value);
var b = parseInt(document.getElementById('t2').value);
var sum = a+b;
document.getElementById('result').value=sum;
function subtract(){
var a = parseInt(document.getElementById('t1').value);
var b = parseInt(document.getElementById('t2').value);
var sum = a-b;
document.getElementById('result').value=sum;
function divide(){
var a = parseInt(document.getElementById('t1').value);
var b = parseInt(document.getElementById('t2').value);
var sum = a/b;
```

```
document.getElementById('result').value=sum;
 function multiplication(){
 var a = parseInt(document.getElementById('t1').value);
 var b = parseInt(document.getElementById('t2').value);
 var sum = a*b;
 document.getElementById('result').value=sum;
 function clear(){
 var a=document.getElementById('t1').value='';
 var b=document.getElementById('t2').value='';
<body style="border: blue solid 5px; margin:190px; padding:40px;">
 <h2 style= "text-align: center;">Sample calculator</h2>
<label style="color: blue;">Number1</label>:<input type="text" id="t1">
<label style="color: blue;">Number2</label>:<input type="text"</pre>
id="t2"><br><br><</pre>
 <button onclick="add()"style="background-color: blue;color:</pre>
white;">addition</button>
<button onclick="subtract()"style="background-color: blue;color:</pre>
white; ">subtract</button>
<button onclick="divide()"style="background-color: blue;color:</pre>
white;">division</button>
 <button onclick="multiplication()"style="background-color: blue;color:</pre>
white;">multiplication</button><br><br>
<label style="color: blue;">Result</label>:<input type="text" id="result"</pre>
readonly>
<button onclick="clear()"style="background-color:red;color:</pre>
white;">clear</button>
```

Output:



Result:

The web page is created successfully.