JavaScript in Action

JavaScript: Password validation (passValidation.html)

```
<html>
<head>
    <title>Password Validation</title>
</head>
<body>
    <script type="text/javascript">
        function matchpass() {
            var firstpassword = document.f1.password.value;
            var secondpassword = document.f1.password2.value;
            if (firstpassword == secondpassword) {
                return true;
            else {
                alert("password must be same!");
                return false;
    </script>
    <form name="f1" action="register.php" onsubmit="return matchpass()">
        Password: <input type="password" name="password" /><br>
        Re-enter Password:<input type="password" name="password2" /><br>
        <input type="submit">
    </form>
</body>
</html>
```

This processing form is using object reference to get value from form.

JavaScript: Event Handler – click event (event1.html)

```
<html>
<head>
    <title>JS Events</title>
</head>
<body>
    <h1>Javascript Events</h1>
    <script type="text/javascript">
        function clickevent() {
            document.write("This is CSC443");
    </script>
    <form>
        <input type="button" onclick="clickevent()" value="Who's this?" />
    </form>
</body>
</html>
```

JavaScript: Event Handler – MouseOver event (event2.html)

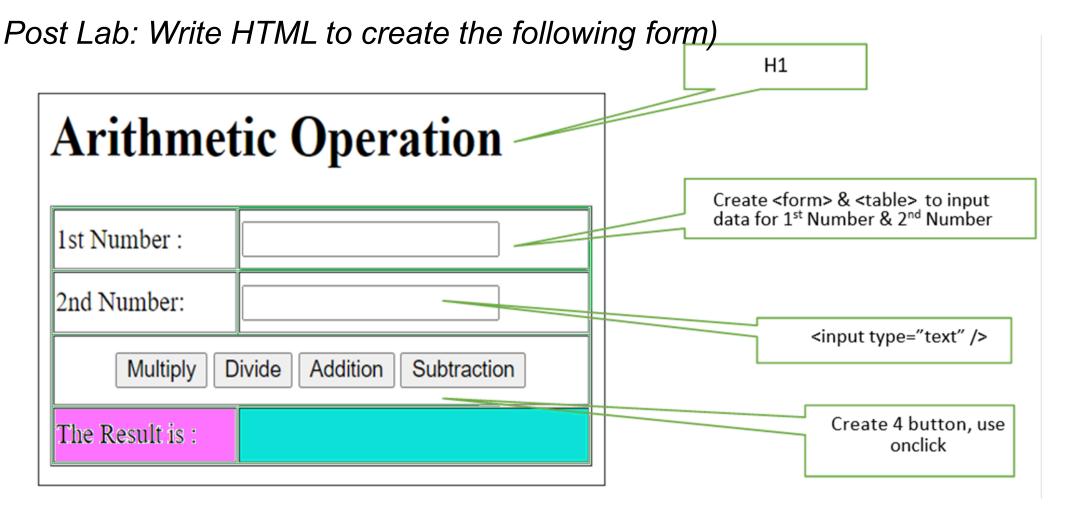
```
<html>
<head>
   <title>JS Events</title>
</head>
<h1> Javascript Events </h1>
<body>
   <script type="text/javascript">
       function mouseoverevent() {
          alert("This is JavaScript Event");
   </script>
    Keep cursor over me
</body>
</html>
```

JavaScript: Event Handler – Keydown event (event3.html)

```
<html>
<head>
   <title>JS Events</title>
</head>
<body>
    <h2> Enter something here</h2>
    Input 1:<input type="text" id="input1" onkeydown="keydownevent()" /><br>
    Input 2:<input type="text" id="input2" onchange="this.value=keyChange(this.value);" />
    <script>
       function keydownevent() {
            alert("Pressed a key");
       function keyChange(string) {
             return string.split(' ').join('').toUpperCase();
    </script>
</body>
</html>
```

JavaScript: Event Handler – Load event (event4.html)

```
<html>
 <head> ><title>JS Events</title></head>
</br>
<body onload="window.alert('Page successfully loaded');">
    <script>
        document.write("The page is loaded successfully");
    </script>
</body>
</html>
```



Write a JavaScript program to calculate multiplication, division, addition and subtraction of two numbers (input from user). For each button, it will call a function to do operation based on button (use onclick to call a function). Use **calculator.html** as a guide.

- Do validation on data entry (only number are allowed to enter use JavaScript validation). If user click Divide button
- 2nd Number must be > 0. Prompt a message to the user for invalid data entry
- Beautify the page using CSS