

JavaScript Basics

1. Write a JavaScript code within the head tag of a HTML document to display your **name** and **your home town** in the same line (Save it as **first.html**)
2. Edit above file and do the following changes.
 - a) Break your name and city into two lines using
 tag
 - b) Display your name in header 1 format and your home town using header 3 format
 - c) Display your home town in italic format
 - d) Display your name in an alert box
3. Try the given below code and save that file as **three.html**

```
<!DOCTYPE html>
<html>
  <body>
    <h1 style="color:blue">Display Your University Name</h1>
    <h3 id="display" style="color:green"></h3>
    <script>
      document.getElementById("display").innerHTML = "University of Ruhuna";
    </script>
  </body>
</html>
```

4. Write down the java script code in the body section to add two numbers using given below instructions
 - a. Declare the variables x,y,z, str1 and str2
 - b. Initialize their values as x=10,y=20,z=x+y, str1="The answer for ", str2="x+y=" (Consider x,y and z as integers and str1 and str2 as strings)
 - c. Using an alert box, display "The answer for x+y= 30" by using string concatenation

5. Create the following form (**myForm.html**) and check the output

```
<html>
  <body>
    <form name="myForm" action="" method="post">
      Address: <input type="text" name="address" id="txtaddress">
      <input type="button" value="Submit" onclick="printNumChars()">
    </form>
    <script>
      function printNumChars() {
        var numchar = /^[0-9a-zA-Z]+$/;
        var address=document.getElementById("txtaddress").value;
        if(address.match(numchar)) {
          return true;
        }
        else {
          alert("Special characters are not allowed");
          return false;
        }
      }
    </script>
  </body>
</html>
```

a. Add an external css stylesheet to add the following styles to the form

Body

background color:#E9F696

Button

border-radius: 6px

background color: #4CAF52

color: white

text-align: center

text-decoration: none

cursor: pointer

b. Use an external javascript file(**myScript.js**) to perform the above function
(Hint: Remove the javascript code block from the body section)