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BICT- Level I – Semester I
Topic – Web Technologies (ICT1153)
Practical 8
```

## **JavaScript Event Handlers**

1. Include the following code segment in an html file and check the output

```
<a href="http://www.w3schools.com" onmouseover="document.bgColor='yellow'">
Go to W3Schools
</a>
```

2. Modify the above code to change the background color to a different color when you place the mouse out of the link.

## **Pop-up windows**

1. Include the following lines within an html file and check the output

```
<a href="#" onclick="window.open('http://www.ruh.ac.lk/Uni/tec/')">
Faculty of Technology
</a>
```

- 2. Insert the URL <a href="http://www.google.com">http://www.google.com</a> instead of # in the above code. And view the output.
- 3. Change the code to open **first.html** web page (from the practical 7), instead of <a href="http://www.google.com">http://www.google.com</a> when you click on the hyperlink.
- 4. Include the following code to **first.html** page and save the new code as **close.html**

```
<input type="button" value="close" onclick="window.close()">
```

## **JavaScript functions**

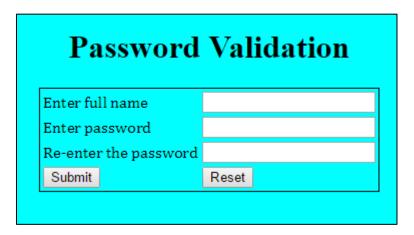
1. Create the following html file and practice the prompt box example (save the file as **prompt.html**)

- 2. Modify the above code to display the "Hello *Name*" in a message box and save that code as **prompt2.html**
- 3. Try the given code which converts the weight into grammes (Save the page as **converter.html**)

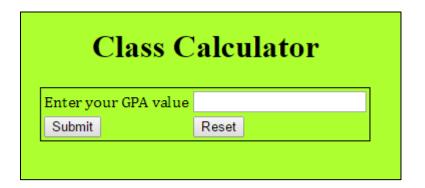
- 4. Change the above given code to add a kg value using prompt box and display the converted output in a message box (Save the new page as **converter2.html**)
- 5. Create the given below form using the given code and save it as **form\_validate.html** 
  - a. Check how the form validation is done using JavaScript

```
<!DOCTYPE html>
<html>
      <head>
             <title>Select Box Control</title>
             <style>
                    td{font-family:cambria;}
                    table{border: 1px solid black;}
                    h1{color:blur;text-align:center}
             </style>
             <script type="text/javascript">
                    function validate_form(){
                          var validatePwd;
                          if(document.myform.pwd1.value!=document.myform.pwd2.value){
                                 alert("Two passwords are not matching");
                                 document.myform.pwd1.focus();
                                 document.myform.pwd1.select();
                                 return validatePwd=false;
                          }
                          else{
                                 alert("Passwords are matching");
                                 return validatePwd=true;
                          }
             </script>
      </head>
      <body bgcolor="aqua">
             <h1>Password Validation</h2>
             <form name="myform" onsubmit="return validate form()"action="#">
                    Enter password
                                 <input type="password" name="pwd1">
                          Re-enter the password
                                 <input type="password" name="pwd2">
                          <input type="submit" value="Submit">
                                 <input type="reset" value="Reset">
                          </form>
      </body>
</html>
```

b. Modify the given above form as given below (Hint: Add a text box to enter the full name)



- c. Add another function called **allLetter()**, to check whether the entered text is consisting only with characters. If the text box contains numbers, then provide the error message "You can only enter characters for full Name"
- 6. Create the given below form and save it as classClaculator.html



Write down a JavaScript function to print messages according to given below details

gpa	Message
4>gpa>=3.7	First class
3.7>gpa>=3.3	Second class upper division
3.3>gpa>=3.0	Second class lower division
3.0>gpa>=2.0	Pass
2.0>gpa>=0	Fail
Gpa>4 or gpa<0	Please enter a valid gpa value
null	Please enter your GPA value