Tutorial 8

Working with Forms

1. Create a new folder on your W drive, e.g. w:\ci135\sem2\session08, and in it create a HTML page called index.html and a JavaScript file script.js. Link the JavaScript file to the HTML using a <script> element.
2. Create a form with a text entry field called fdeg, and a <div> with the id cdeg. Write a keyup event listener for fdeg, which reads the current inputs value, converts it to degrees Celsius and then uses it to set the text content of cdeg.  
     
   **HINT**: A similar solution to this is given in the lecture slides, but uses the submit event.
3. Create a form with a text entry field, a submit button and a <div> element. JavaScript should be used to intercept the submit event (prevent its default action), validate that the user has entered a number, and use a switch statement to determine what text to present in the <div> element. If the user entered 1, then "It\'s Monday", should be displayed in the <div> element, for 2 it would show "It\'s Tuesday", and so on. If the user entered anything other than a number between 1 and 7 then the function returns "Not a valid day".

**HINT**: switch statements were covered in the second session.

1. Create a form with a text field and a button and a <div> element. When the user clicks the button a click event listener should fire which retrieves the value in the text field, validates it as a University of Brighton email address, and display any issues in the <div> element.  
     
   A string is considered to be a valid University of Brighton email address if:  
   a) The string is at least 15 characters long (i.e. 16 or more)  
   b) The string must end with the characters "@brighton.ac.uk"   
     
   If the entered data is **invalid** then an error message should be displayed in a div under the text field explaining the problem and the text field’s background should turn red. If the number is **valid** then any previous error message should be cleared/removed and the text field’s background should turn green.
2. Create a form with a text field and a <div> element. The keyup event should be used to listen for the user interacting with the text field, it should retrieves the value in the text field, validate it as a UK mobile phone number, and display any issues in the <div> element.  
     
   A string is considered to be a valid UK mobile phone number if:  
   a) The string is 11 characters long  
   b) Each character is a number  
   c) The string must start with the characters "07"   
     
   If the entered data is **invalid** then an error message should be displayed in a div under the text field explaining the problem and the text field’s background should turn red. If the number is **valid** then any previous error message should be cleared/removed and the text field’s background should turn green.