SECTION 02 (40 marks)

Use the knowledge of JavaScript to create the form shown in Figure 1.

Figure 1

1. Create the form using XHTML as shown above in Figure 1. User must enter a value for all the input fields.

(20 marks)

2. When the user submitted the form:

   a. If the temperature field is empty, the page should display an error message. (You can display the error message as an alert or somewhere on the current page. But, the form submission process must be stopped.)

   (5 marks)

   b. The temperature should be displayed in Fahrenheit as a message. (You can take necessary assumptions regarding where to send the form-data after submission and where to display the message.)

   E.g.: If a user has entered 8 as the temperature, then the message should be like "Today's temperature = 46.4 Fahrenheit".

   Note: Temp. in Fahrenheit= (Temp. in Celsius * 1.8) + 32

   (15 marks)