In Class Exercises:

Part A: in Firefox Scratchpad, complete following tasks by writing JavaScript code:

1. Input validation – prompt user continue to enter a production code until the user enters a validate data or clicks on the cancel button. When user enters an invalid input, show the error or reason why it is invalid and let the user re-enter the code. The validation rule is as following:
    1. The input must not be empty or whitespace(s).
    2. The input must have the length of 6.
    3. The first 3 characters of input must be alphabetic characters.
    4. The forth to sixth characters must be digits (0-9 for each character).
2. Assume a company's product sale records for the past week are stored in a JavaScript array of objects. All these objects have the same data structure with the following properties: productCode, productName, unitsSold, unitPrice and soldBy. Your task is to create a JavaScript function with two parameters: the array of objects and a product code. The function will return the sales income for a certain product. Meanwhile, output the details of sale transactions for the product in the web console.

Part B: HTML tags exercise:

1. Create an HTML5 file named exercise.html.
2. Set the title of the web page to: INT222.
3. Create six different level headings with appropriate text. Then create a few paragraphs.
4. Create an order list and an unordered list with meaningful list items.
5. Create an HTML table with at least 2 rows and 2 columns. Give meaningful content to the table. For simpleness, apply an obsolete attribute - border to the <table> tag with value of 2 to make the border visiable.
6. At each end of above step 2 to 4, add a hyperlink with text "top" which links to the top of the current web page. Then add a horizontal rule after it.