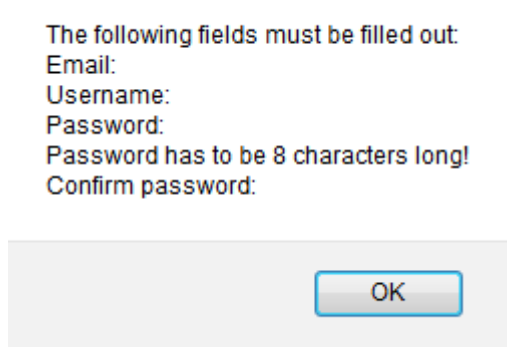Week 5 Questions:

(A) Design a "signup form" using HTML and CSS. Your task of this assignment is to validate user inputs for the signup web page using external JavaScript. Assume all inputs are in English. The validation should satisfy the following requirements:

1. Create a Lab3 folder for this lab and put your lab 3 files in it.

2. Use external JavaScript to do the validation, for example, create a `validate_signup.js` file.

3. All form elements should have an input. Report all empty input with one alert box only. See image below

```
The following fields must be filled out:
Email:
Username:
Password:
Password has to be 8 characters long!
Confirm password:


                    [   OK   ]
```

4. Maximum length of "Email" is 60 characters.

5. Maximum length of "Username" is 40 characters.

6. "Password" length must be exactly 8 characters.

7. "Confirm Password" field and "Password" field must match.

8. For correct user inputs, show the user inputs in an alert window. Otherwise, warn the user in an alert window.

9. Add a link to your `signup.html` on your `index.html` and name the link `Lab_3_js`

10. Zip your Lab3 folder containing the **signup.html** and **validate_signup.js** files, and upload on Moodle course page by 01-Feb-2024.
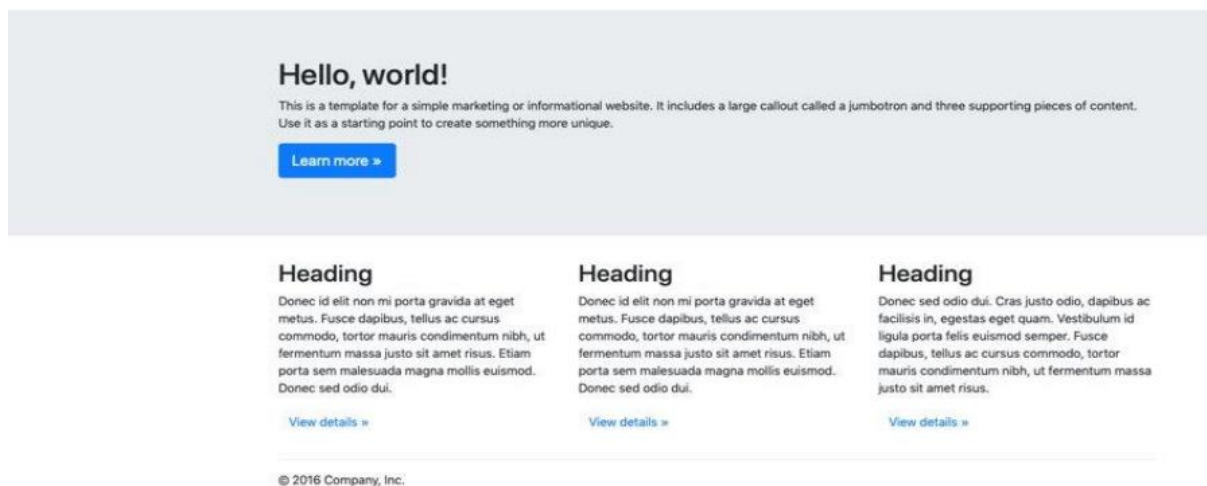
Note: Output all warnings and validated results in one Alert Box. Otherwise, partial marks will be deducted. Using an Alert Box is a simple way to give feedback, but it is **not** preferred. The preferred method will actually be discussed in the following lab (i.e., JavaScript and DOM Operations). You should **not** use alert boxes or other modal windows beyond this lab assignment.

B) Write a length converter using JavaScript. The user can choose any of the following units: meters, kilometres, and milimeters. Use innerHTML to display the result. Filename: convert.html

Length Conversion

From : [   ] Meters ▾

To: Meters ▾ **Submit**

C)

Write HTML code using Bootstrap to create a responsive webpage that looks like this:

Hello, world!

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

Learn more »

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

View details »

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

View details »

Heading

Donec sed odio dui. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Vestibulum id ligula porta felis euismod semper. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.

View details »

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D)

Write HTML code using Bootstrap to create a responsive webpage that looks like this:

Pricing

Quickly build an effective pricing table for your potential customers with this Bootstrap example. It's built with default Bootstrap components and utilities with little customization.

Free	Pro	Enterprise
$0 / mo	**$15** / mo	**$29** / mo
10 users included	20 users included	30 users included
2 GB of storage	10 GB of storage	15 GB of storage
Email support	Priority email support	Phone and email support
Help center access	Help center access	Help center access
Sign up for free	Get started	Contact us