CMPS 350 Web Development Fundamentals
Lab 1 - HTML Basic Tags, Tables and Semantic Elements

Objective
Learn and practice how to write:
1. Simple HTML page using basic HTML tags such as <h1> to<h6>,<p >,
, and <!-- -->
2. HTML Tables to arrange data such as text, images, links into rows and columns.
3. HTML Semantic Elements. <header> <footer> <main> <article> <aside> <details> <figcaption> <figure>

Overview
This lab has two parts.
- **In Part A**, you will write a simple HTML page using basic HTML tags. Then you will design and create a second page that has an HTML table.
- **In PART B**, you will create a simple QU Website.

As you make progress push your work to your **cmps350s21** GitHub repository

Preparation

1. If not done already,
   a. Visit http://github.com and create an account. Your github username must be your *firstname-QuUsername*
   b. Install Github Desktop application https://desktop.github.com
   c. Download and Install Webstorm IDE https://www.jetbrains.com/webstorm/download/
   d. Use the link under posted on BB under your section to get your private repo [You should use this link only once]
   e. Visit https://github.com/cmps350s21 and clone your private repository (named **LabNo-YourFirsname-QuUsername**)
2. Save the files produced in this Lab under the **Lab1-HTML** folder
3. As you make progress push your work to your cmps350s21 GitHub repository.

Part A - Basic HTML Tags -Warmup activities
1. Create an html file and name it `index.html` and type the following code.

```
<html>
    <head>
        <Title>The First Page</title>
    </head>
    <body>
        This is my first html program!
    </body>
</html>
```

2. Run your code on the browser.

3. Open the https://www.w3schools.com/html/ explore and try yourself basic HTML tags:
   a. Heading [h1 to h6]
   b. Paragraph
   c. Link and Anchors
   d. Quotations and Citations
   e. List [type= "I" , "a", "A", "i"]
   f. Sematic Tags [header , nav , main, section , article , aside , footer]
   g. Tables
   h. Image

Exercise 1 – HTML Basic Tags and Semantic Tags
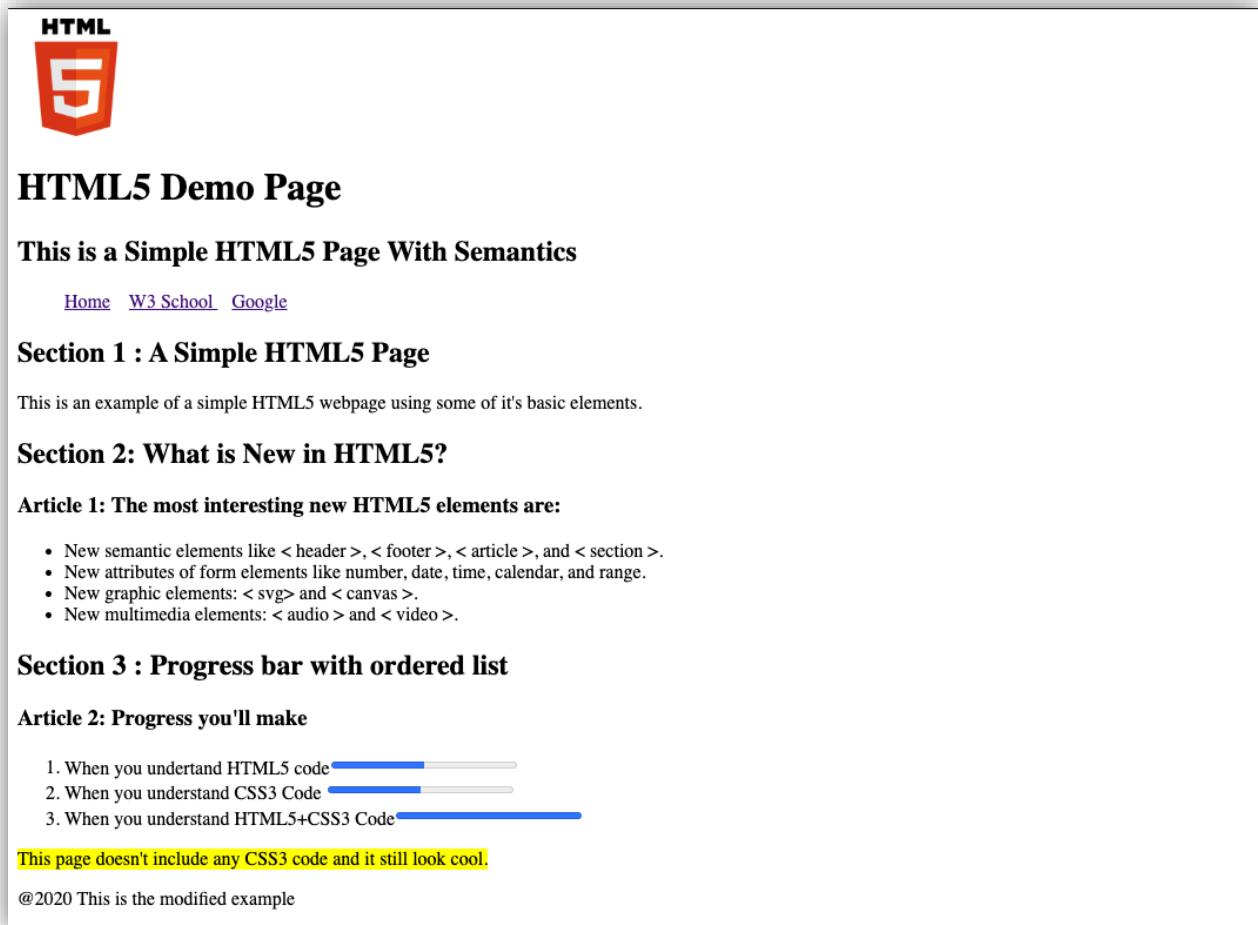
Create the following page

Figure 1 : HTML demo page

Exercise 2 HTML Tables

1. Create an html file and name it **books.html**.
2. Design a page that has a single table that looks like table 1 shown below.

Table 1 : HTML table

Book ISPN	Book Name	Authors		Donator Name
		First	Second	
978-148410-0	Doorway to Darkness	John bank	Baba Ali	Ali Mohamed
278-148410-0	The Three-Body Problem	Doe wu	Donald Kerry	Abdulahi Hassen
478-148410-0	Other Side of the Sky	Tyler Sky	George Bush	Mohamed Ali
All books can be claimed from our office in H209				

PART B – Practice

Figure 2 Qatar University Fiction Website

1. Create a project called **QU-Website** under Lab1-HTML folder in your GitHub repo
2. Create the following two html pages:
   a) index.html
   b) timetable.html
3. The **index.html** should look as shown in Figure 2. Also, at the bottom of the index page you should have the two links that take you to the web site pages.

You are allowed to use any image from Google to replace the image shown above. Also, do not forget to structure your project. The images should be inside the img folder.

4. The **timetable.html** file should have a single table that has the following design.
Note: Make sure to use the proper border, colspan , rowspan, header on your table design.

Table 1 : TimeTable

Spring 2020 Time Table						
		Sun	**Mon**	**Tues**	**Wend**	**Thu**
Hours	**8am to 9:50am**	Java	Calculus		Databases	English
	10am to 11:50am	Arabic	French	History	Social	
	12pm to 1 pm	Lunch				
	1pm to 2:50pm	C++		Math	Swimming	Project
	3pm to 4:50pm	Swimming		Reading at Library		

As you make progress push your work to your GitHub repository.