Web Development

Practical 1: HTML Basics

Preparation:

1. Review lecture slides: **Introduction to HTML**

2. You will experience how to create a web page using Microsoft Visual Studio Code (VS Code).

3. Your learning outcomes checklist: 💡

   - Be able to use VS Code to create a simple webpage with:

     - Proper HTML document structure

     - Title <title>

     - Headings <h1> - <h6>

     - Paragraphs <p>

     - Images <img>

     - Text and images hyperlinks <a>

     - List

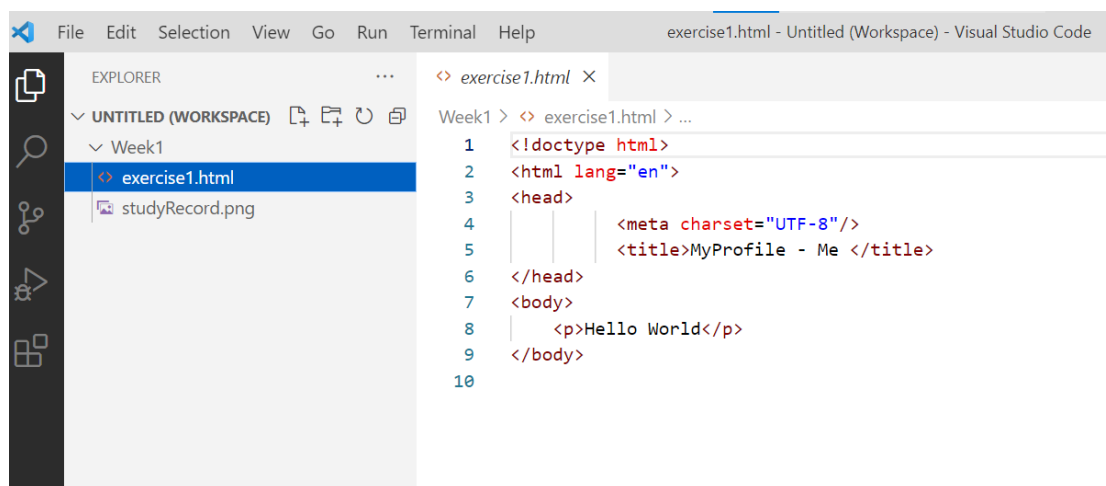   - Be able to use Chrome to view webpage and inspect element.

Part A: Try it out! (30 mins)

1. Create a **WebDev** folder in your home drive.

2. Create a sub-folder named **Practical** under **WebDev** folder
   (if you have done your tutorial, most likely you already have the folders created)

3. Create a sub-folder name **Week1** under **Practical**.

4. Download the image file **studyRecord.png** from Brightspace into this folder.

5. Start-up MS VS Code.

6. Under File -> Add Folder to Workspace, browse to the **Week1** folder you have just created and click Add.

7. If you do not see the Explorer, click on the Explorer icon, the first icon on the left black column.

Web Development

8. At the top menu bar, choose File -> New File. Type **exercise1.html** as the file name and press Enter. Check that the file **exercise1.html** is under the folder **Week1.**

9. Enter the following HTML code.

```
<!doctype html>
<html lang="en">
<head>
        <meta charset="UTF-8"/>
        <title>MyProfile - Me </title>
</head>
<body>
    <p>Hello World</p>
</body>

</html>
```

```
File   Edit   Selection   View   Go   Run   Terminal   Help          exercise1.html - Untitled (Workspace) - Visual Studio Code

EXPLORER                    ...        <>  exercise1.html  ×

∨ UNTITLED (WORKSPACE)               Week1 > <> exercise1.html > ...
  ∨ Week1                            1   <!doctype html>
     <>  exercise1.html             2   <html lang="en">
     studyRecord.png               3   <head>
                                    4          <meta charset="UTF-8"/>
                                    5          <title>MyProfile - Me </title>
                                    6   </head>
                                    7   <body>
                                    8       <p>Hello World</p>
                                    9   </body>
                                   10
```

10. At the top menu bar, choose File -> Save to save the work done.
11. From the menu, click Run -> Run without Debugging. From the options displayed, choose Web App (Chrome). You will see your first webpage displayed in a Chrome window.
12. Making use of what you have learnt, create the following web page.

Welcome to XXX Website

About Me

I am a very imaginative person.
I dream day and night. Wanna to talk to me, got to wake me up

My School

I am currently study at NYP in School of IT

There are 5 diplomas in School of IT

1. Diploma in Business and Financial Informatics
2. Diploma in Business Intelligence & Analytics
3. Diploma in Cyber Security and Forensics
4. Diploma in Infocomm & Security
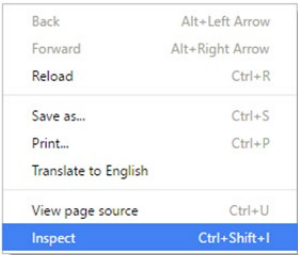5. Diploma in Information Technology

I am learning how to make a website using html tags. See my learning progress at

xxx copyright ©

- ❖ *url for the image is https://encrypted-tbn1.gstatic.com/images?q=tbn:ANd9GcS9DZMGYOlTA4P5mUIaV4lVxJbDEWgQgXhTeH26Wfjn9YW1wDx5cw*
- ❖ *When user click at NYP, lead the user to NYP website.*
- ❖ *When user click at the book (studyRecord image), lead the user to codecademy.*

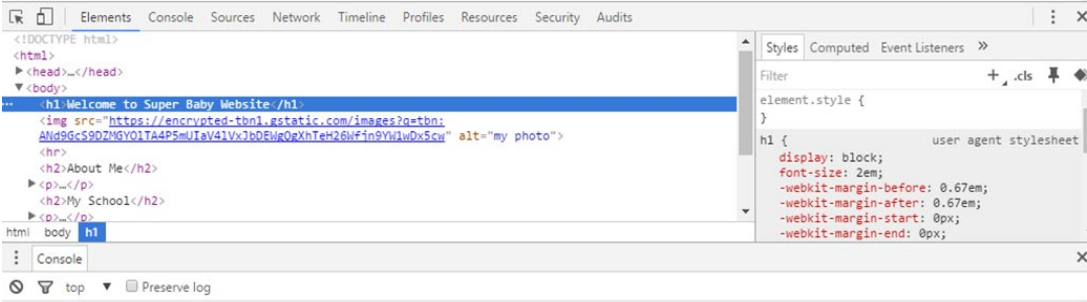13. Right-click at your web page to get the following pop-up menu, select **Inspect** element:

Web Development

14. Modify the content of <h1>. Your modification will be immediately reflected.

You have just experienced the usage of Chrome inspector. Your modification will not be saved into your file. Inspector will help you to debug your web page. You may use it more often when task get more complicated.

Part B: Check and learn it together (30mins)

Show your work to your tutor. Your team may be selected to present the answer.

Part C: Challenge Me (20mins)

1. Create a web page about yourself.
2. You web page should have

   - ☐ Proper HTML document structure
   - ☐ Title <title>
   - ☐ Headings
   - ☐ Paragraphs <p>
   - ☐ Images <img>
   - ☐ Text and images hyperlinks <a>
   - ☐ List

Part D: Correct Me (20mins)

1. Exchange work and mark the answers for your friends

   Checked by : ⌷

2. Zip your work (Part C) and submit to Brightspace.