



GIFT School of Engineering and Applied Sciences

Fall 2022

**CS-120 Introduction to Information and
Communication Technology**

Lab-06 Manual

Introduction to HTML-I

v1
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Introduction to Lab-06

In this Lab student will be able to learn the following concepts

- What is HTML?
- What are HTML Elements
- HTML Syntax
- HTML Page Title
- HTML Headings
- HTML Paragraphs
- HTML Line Breaks
- Preformatted Text (pre Tag)

Learning Outcomes

At the end of this Lab Student will be able to understand

- What is HTML?
- What are HTML elements and tags
- How to create simple html page.
- What are HTML headings, paragraphs, line breaks and Preformatted Text?

1. HTML

Html is the heart of web pages.

- HTML stands for **Hyper Text Markup Language**
- HTML elements are the building blocks of HTML pages
- HTML elements are represented by tags

A markup Language is used to structure and present data.

2. HTML ELEMENTS

Each HTML element is represented by a tag.

There is a start tag and end tag. A tag starts with symbol “<” then tag name comes in, then symbol “>”. The ending tag is just like the starting tag but the first symbol is “</” instead of “<”.

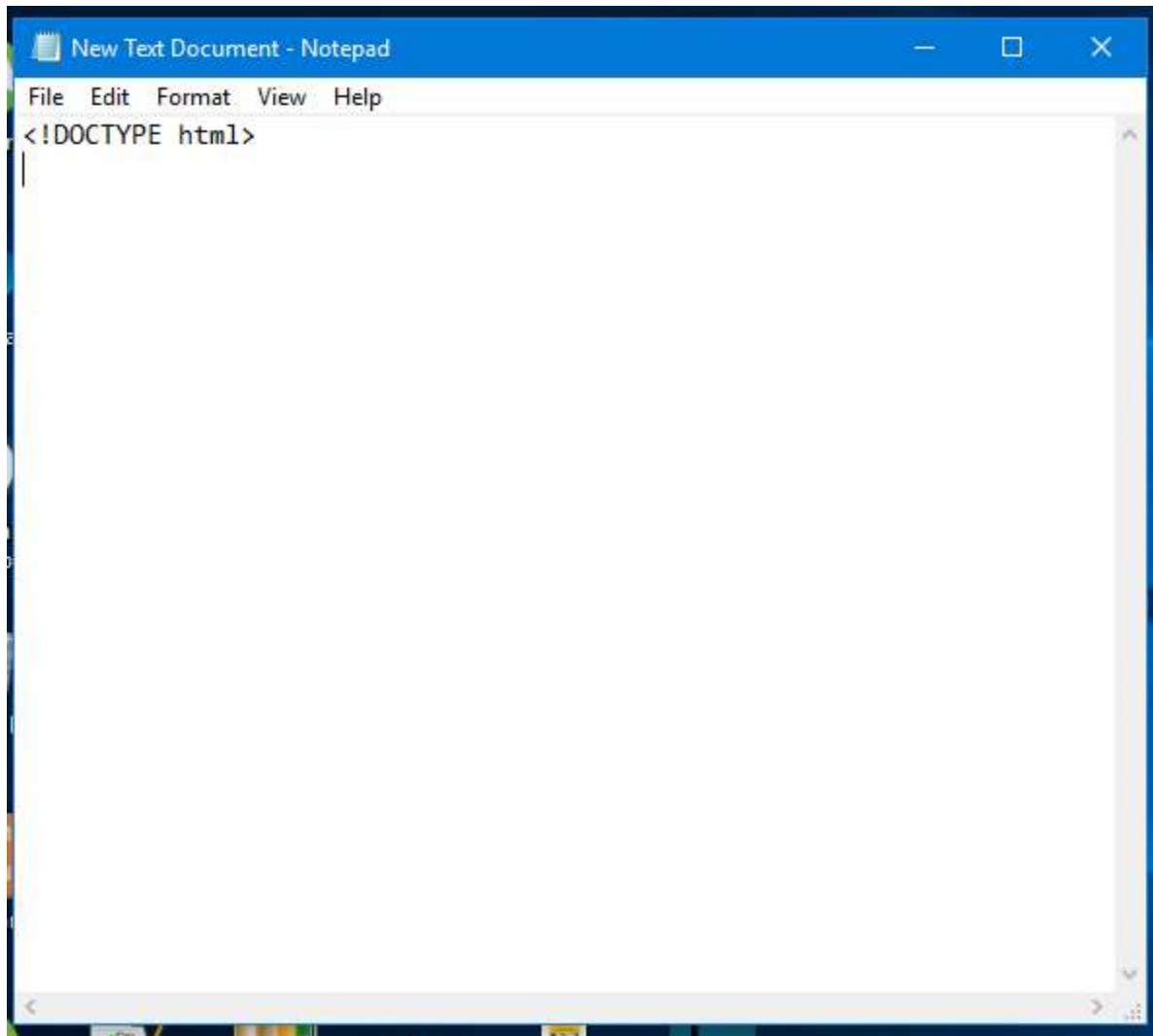
<tagname> some content </tagname>

Example tag: <p> Hello, This is paragraph </p>

Now you are aware of HTML tag representation. Let's start using HTML.

First HTML Page

Open a text document and write `<!DOCTYPE html>`

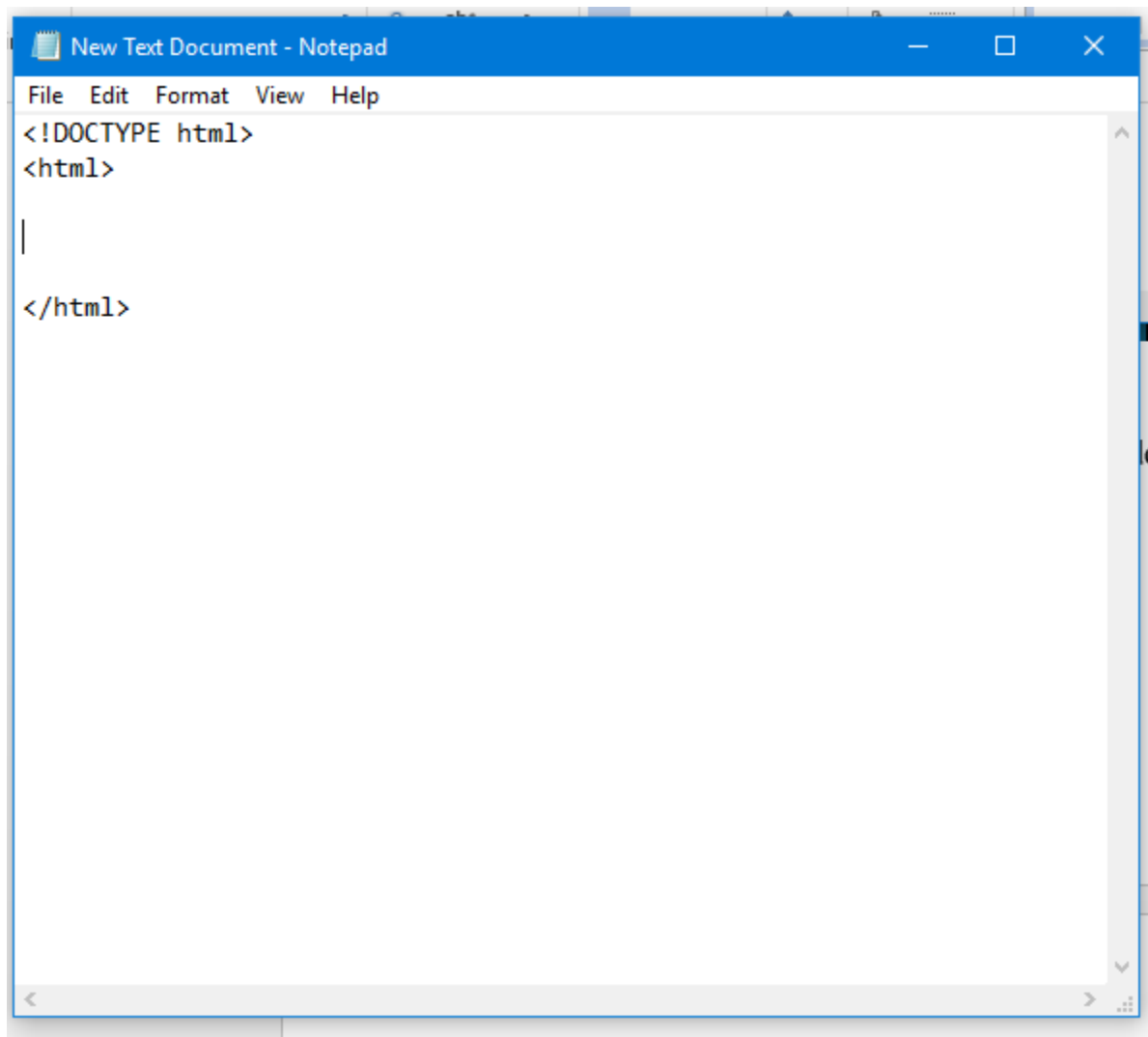


The `<!DOCTYPE>` tells browser the type of document. In this case we are creating document of type “html”.

Now write the following text in file:

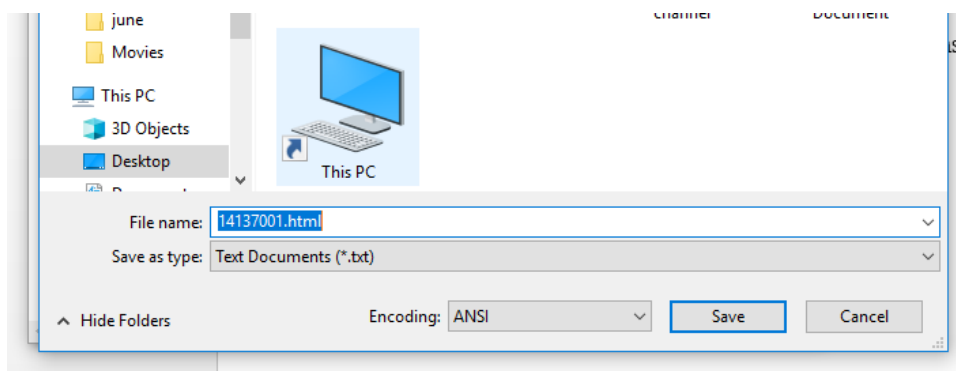
`<html>`

```
</html>
```



Now save the file with your Rollnumber and with the extension .html

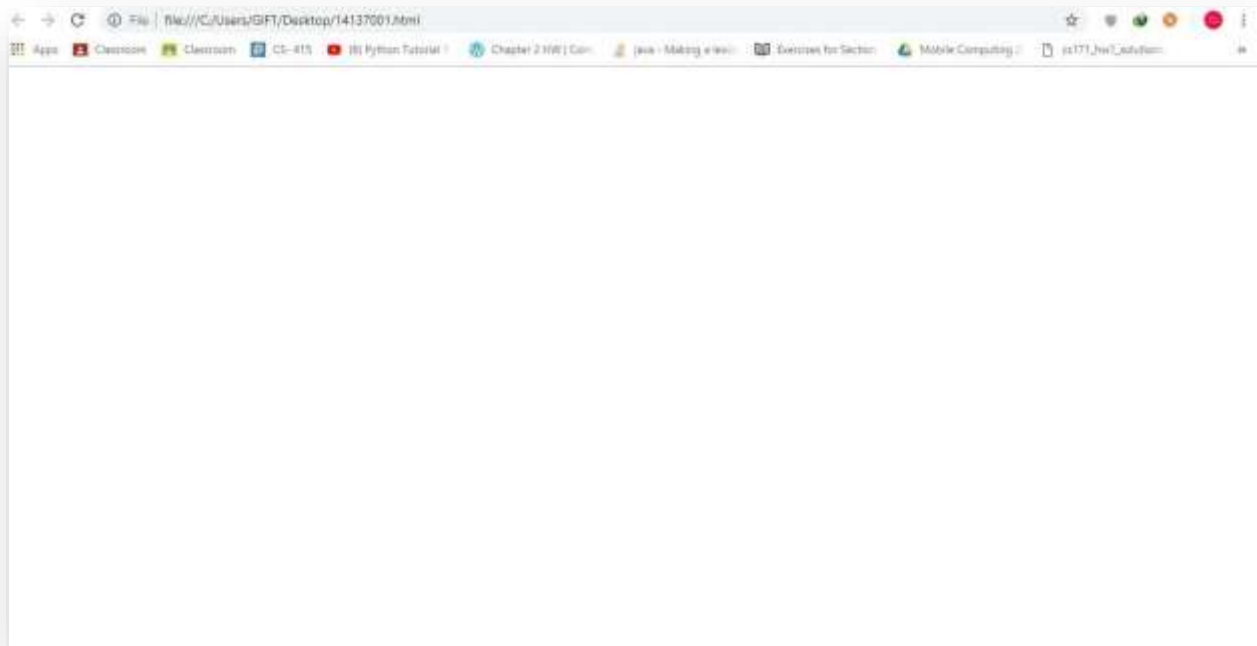
For example: “14137001.html”



Go to the directory where you saved the file and open it.

The file will open in a browser.

Congratulations! You have created the HTML Page successfully.



Structure of HTML Page

Doctype HTML

</html>

<head>

</head>

<body>

</body>

</html>

- **Head**
This section contains the information about page like title of page.
- **Body**
This section contains the content.

Now create structure in your page also.

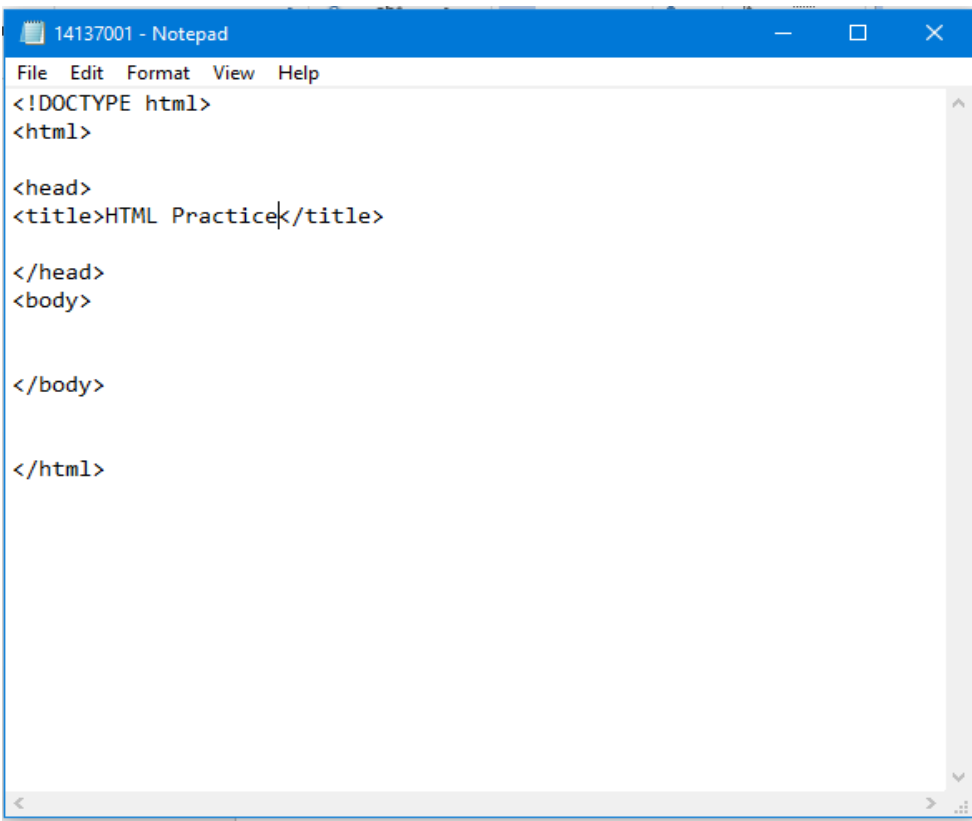
Write the head and body tags.

3. Page Title

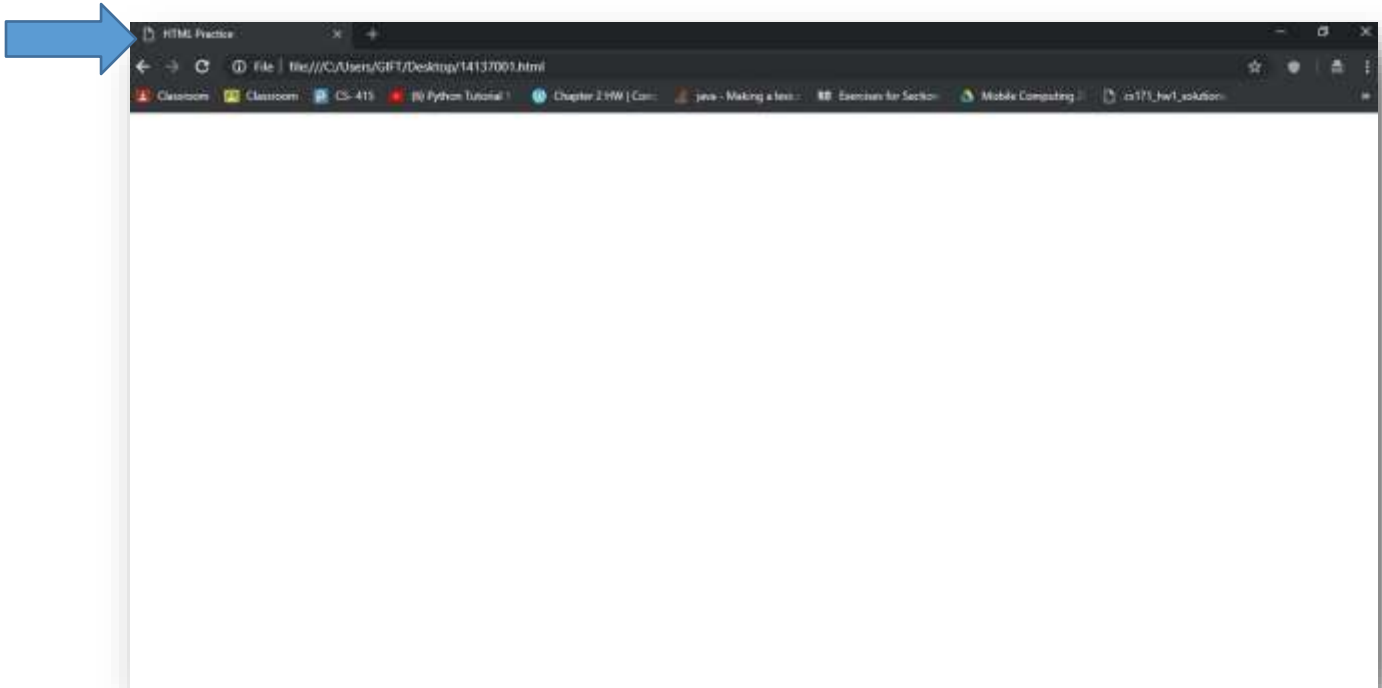
Page title appears on the top (In the browser tab).

Inside head tag. Write the tag for title like this:

```
<title>HTML Practice</title>
```



Save the file and reload the page in browser.



Now your new title will be visible on the tab.

4. HTML Headings

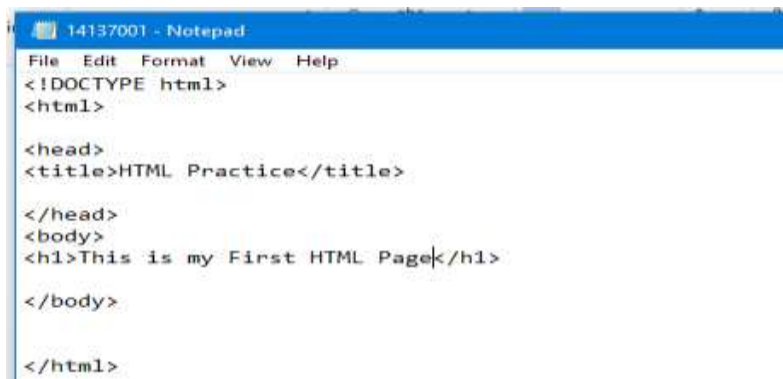
HTML contains 6 headings h1, h2, h3, h4, h5, h6

h1 is biggest heading

h6 is smallest heading

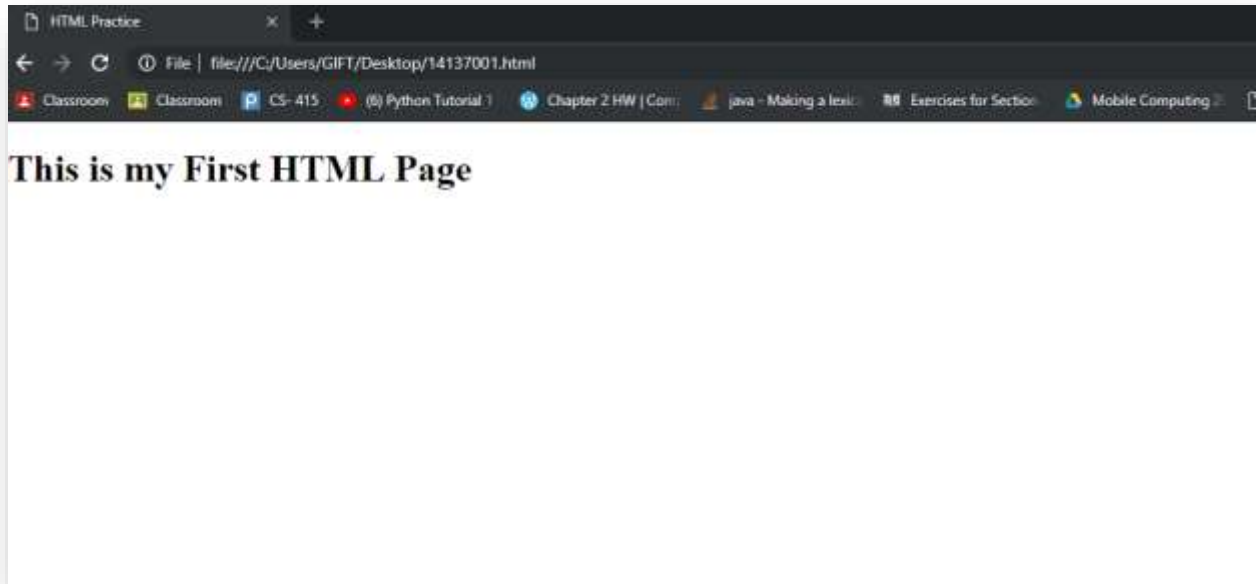
Inside the body tag, write the tag for h1 heading as:

```
<h1>This is my first HTML Page</h1>
```



This will create a heading in your page.

Save the file and reload the page in browser.



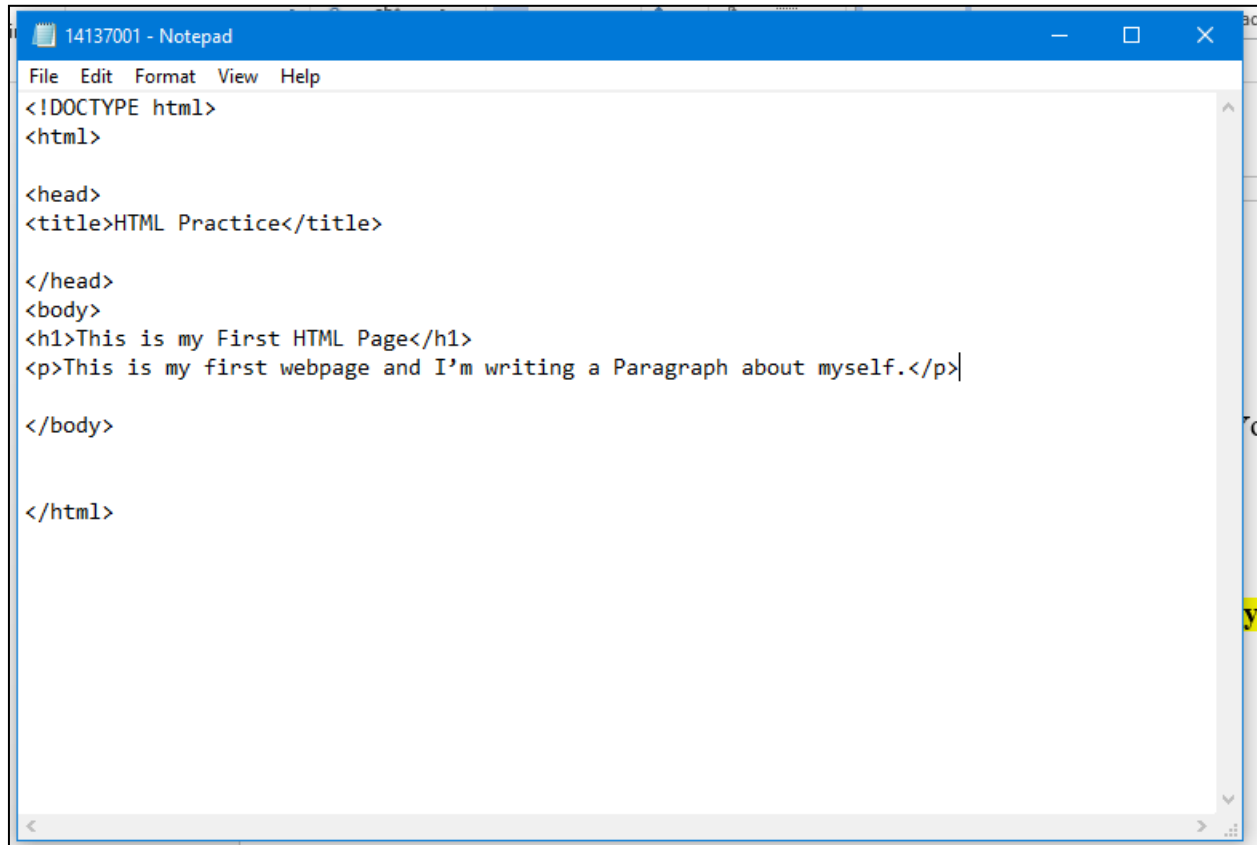
Task 1: Write code for all 6 headings of HTML one by one.

5. HTML Paragraph

Whenever, you have to write some lines of content in your webpage. You will use the element Paragraph. It has a tag name “p”.

Inside body tag, write the paragraph tag as:

<p>This is my first webpage and I’m writing a Paragraph about myself.</p>



```
14137001 - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>

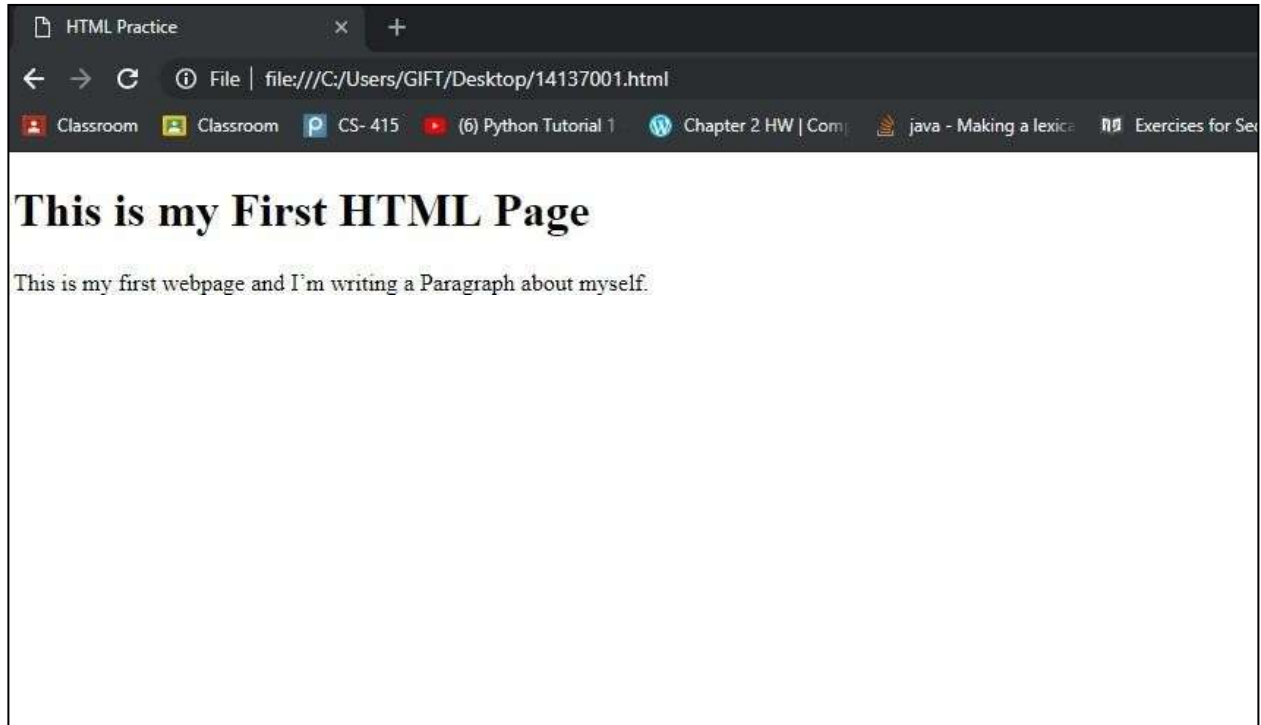
<head>
<title>HTML Practice</title>

</head>
<body>
<h1>This is my First HTML Page</h1>
<p>This is my first webpage and I'm writing a Paragraph about myself.</p>

</body>

</html>
```

Save the file and reload the page in browser.



Task 2:

1. Create a new Web Page with a title [your Rollnumber]
2. Write heading1 “Assignment no 1”
3. Write heading2 [your Name]
4. Write heading3 [Course code]
5. Write heading4 “Course title”
6. Write heading5 “submitted to:”
7. Write heading6 “Date of submission”
8. Write Paragraph about what is computer and describe its main parts.

6. Line Breaks

If you want to write the paragraph in different lines. For example:

My name is Peter.

I go to GIFT University.

```
<p>My name is Peter. I go to GIFT University</p>
```

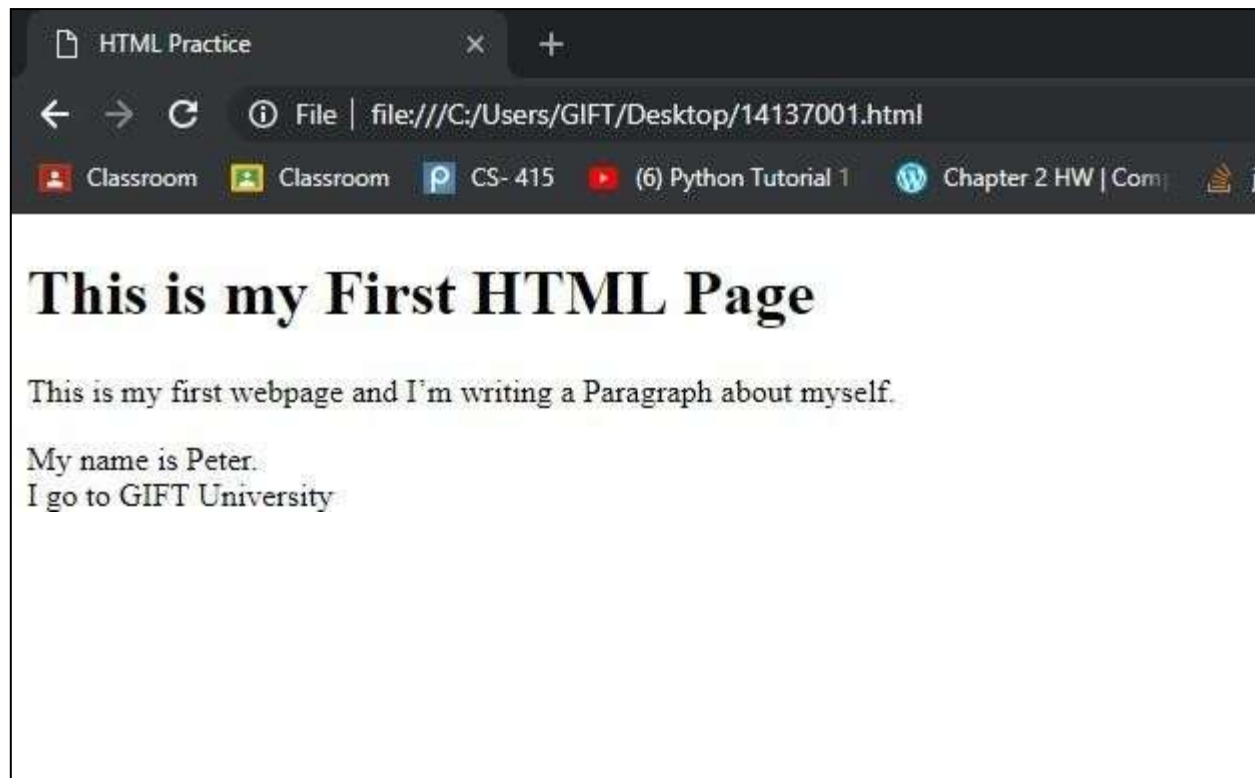
The above code will write the paragraph in same line. Here we need another tag (a line breaking tag) so that we can write the paragraph in different lines.

The tag name is “br” This tag will be written as `
` it does not have end tag.

Now, The HTML code will be:

```
<p>My name is Peter. <br> I go to GIFT University</p>
```

Save the file and reload the HTML Page in browser.



Task 3:**Refer to task 2:**

Change step 8 and add line breaks in Paragraphs.

7. Preformatted Text.

You have to put spaces and Line breaks to write the paragraphs in different lines with proper spacing. You can do this using just a single tag that is “pre”

```
<pre>
```

```
My name is Ali.  I Live in Karachi.
```

```
I like Ice cream.  I play Football.
```

```
</pre>
```

If you use Pre tag the lines you write inside the tag will appear in same format over the page.

Task 4:**Refer to task 3:**

Change step 8 and use pre tag.

The End