

# Today's Topic

Language of web page

- HTML (Hypertext Markup Language)

# What is HTML

- HTML describes the **content** and **format** of web pages using **tags**.

Ex. Title Tag: `<title>A title </title>`

- It's the job of the web browser to interpret tags and display the content accordingly.



# HTML Syntax

- An HTML file contains both **formatting tags** and **content**
- **Document content** is what we see on the webpage.
- **Tags** are the HTML codes that control the appearance of the document content.

# HTML Syntax

- HTML syntax:

*two-sided tag:*

`<tag attributes>document content</tag>`

Closing  
tag

Starting  
tag

Properties of the  
tag.  
Optional!

Actual content appears in  
webpage. It could be empty

*Examples:* `<p> CGS 2100 </p>`

`<body bgcolor = "yellow" > UCF </body>`

# HTML Syntax

- HTML syntax:

one-sided tag:

`<tag />`

e.g.    **Breaking line tag:**    `<br/>`  
         **Horizontal line tag:**    `<hr/>`

# Structure of the web page

- Starting with the tag `<html>...</html>`

**Everything about  
the web page  
should be  
enclosed here**

`<html>`  
.....  
`</html>`

# Structure of the web page

- Inside the `<html></html>` tag
  - Each web page has a **head** part described in `<head></head>` tag:

The title of the web page should be put here

`<html>`

`<head>`

`<title> CGS 2100 </title>`

`</head>`

`</html>`

# Structure of the web page

- Inside the `<html></html>` tag
  - Each web page has a **body** part described in `<body></body>` tag:

**`<html>`**

**`<head>`**

**`<title> CGS 2100 </title>`**

**`</head>`**

**`<body>`**

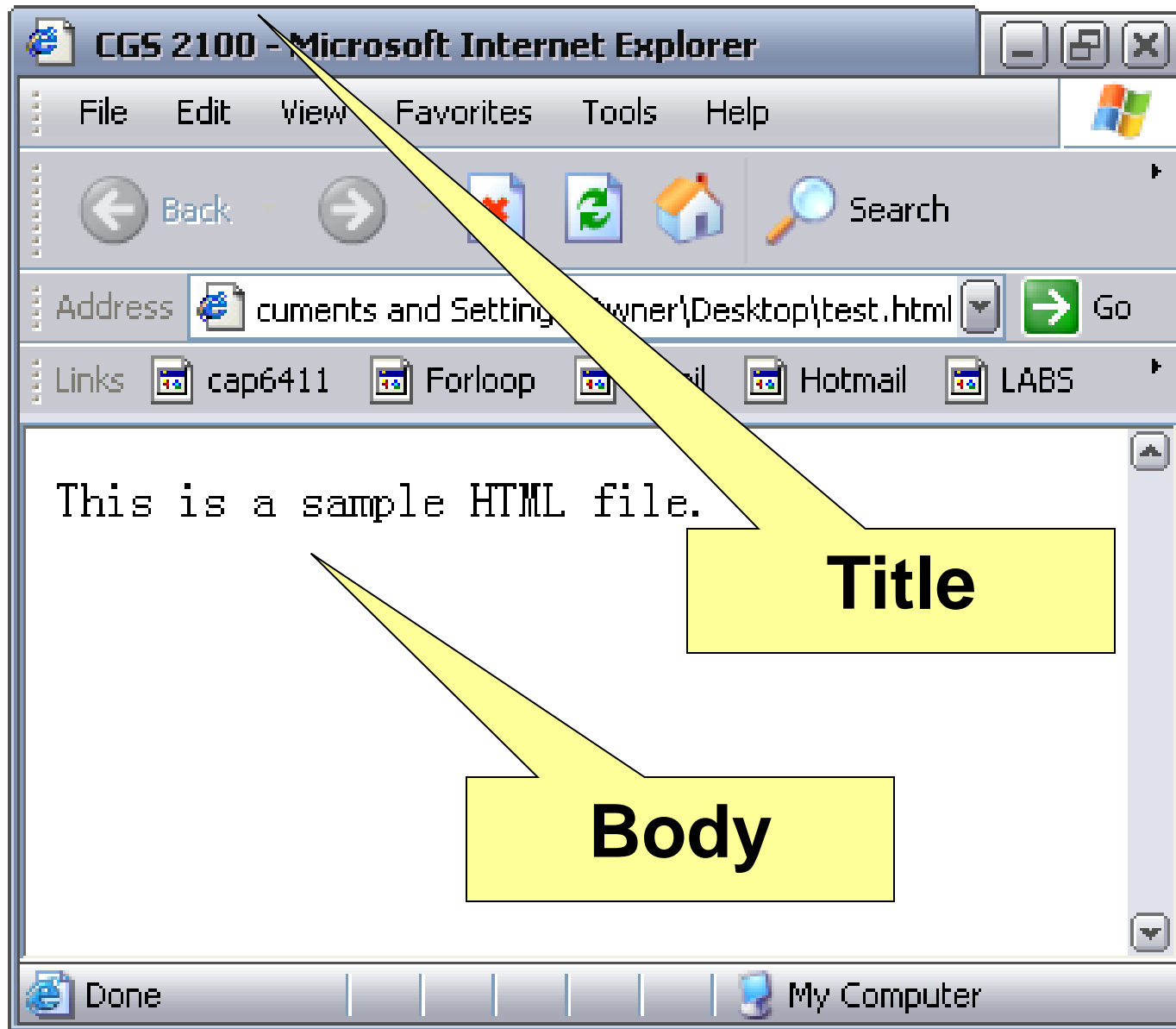
***This is a sample HTML file.***

**`</body>`**

**`</html>`**

The content of the whole web page should be put here





# Create a basic HTML file

- Open your text editor (**notepad**).
- Type the following lines of code into the document:

***<html>***

***<head>***

***<title> CGS2100 lab section</title>***

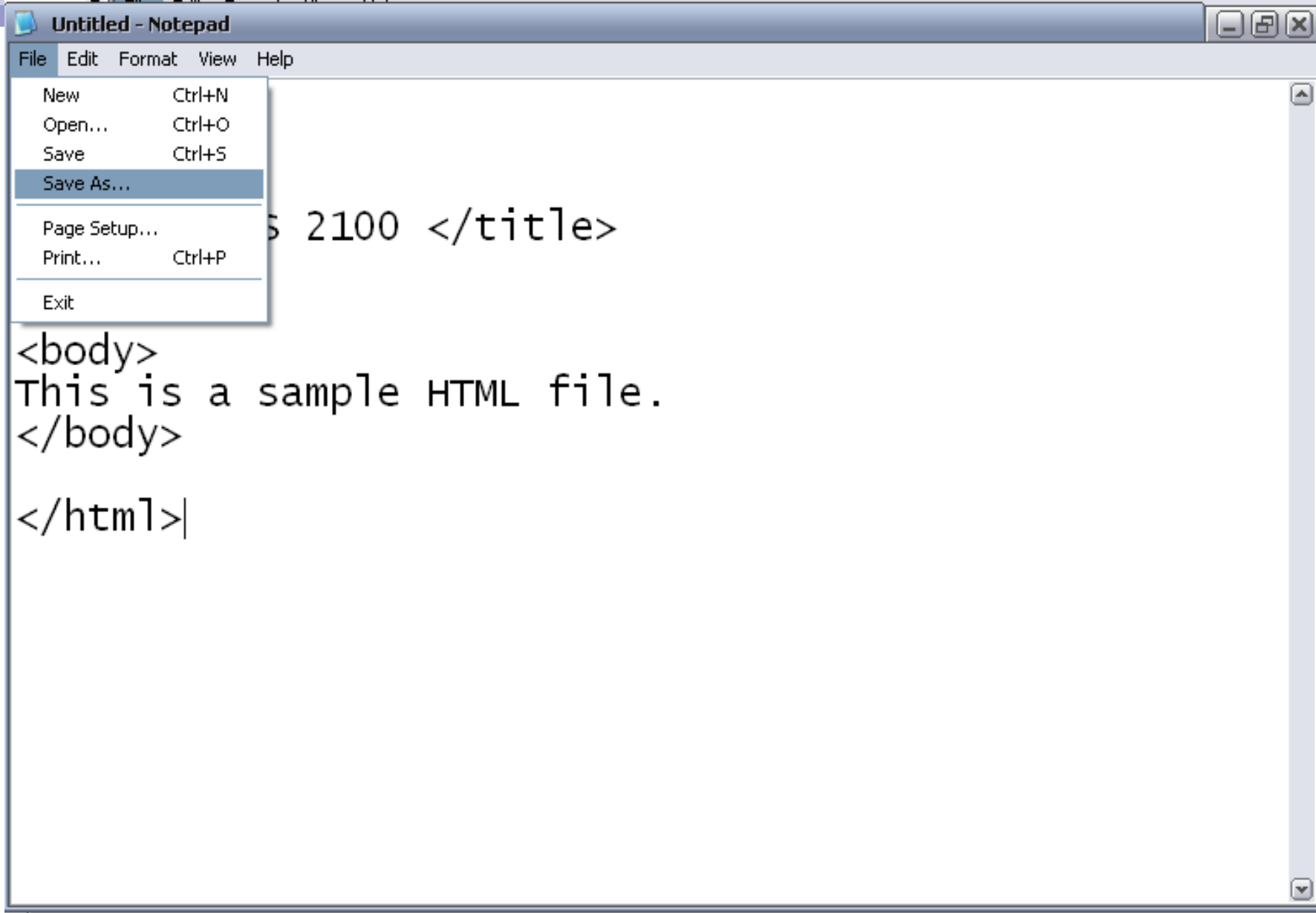
***</head>***

***<body>***

***This is a sample HTML file.***

***</body>***

***</html>***



Untitled - Notepad

File Edit Format View Help

```
<html>
```

```
<head>
```

```
<title>
```

```
</head>
```

```
<body>
```

```
This is
```

```
</body>
```

```
</html>
```

Save As

Save in: Desktop



Recent



Desktop



My Documents



My Computer



My Network

My Documents  
My Computer  
My Network Places  
Tmp

**sample.html**

File name:

sample.htm

Save as type:

Text Document (\*.txt)

Encoding:

ANSI

Save

Cancel



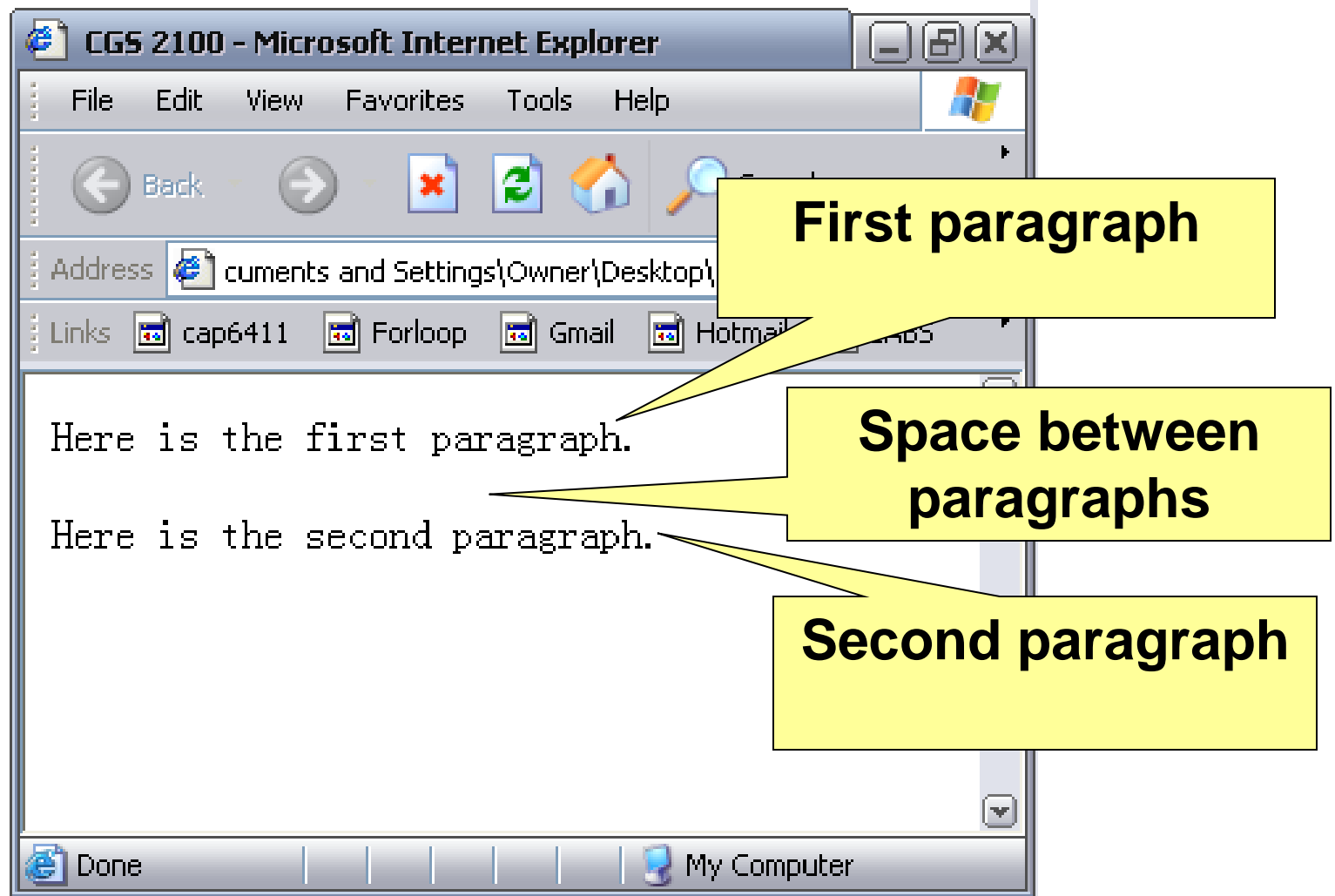
# Introduction to some common tags

- Paragraph tag
- List tag
- Hyperlink tags

# Paragraph tags <p>...</p>

- <html>
- <head>
- <title> CGS 2100 </title>
- </head>
- <body>
- <p> Here is the first paragraph. </p>
- <p> Here is the second paragraph. </p>
- </body>
- </html>

# result



# List tags

**Ordered list:** used to display information in a numeric order.  
The syntax for creating an ordered list is:

<code>&lt;ol &gt;</code>	<i>e.g.</i>	<code>&lt;ol &gt;</code>
<code>&lt;li&gt;item1 &lt;/li&gt;</code>		<code>&lt;li&gt; Name: Your name &lt;/li&gt;</code>
<code>&lt;li&gt;item2 &lt;/li&gt;</code>		<code>&lt;li&gt; Section: ### &lt;/li&gt;</code>
<code>...</code>		<code>&lt;li&gt; Instructor: Yuping &lt;/li&gt;</code>
<code>&lt;/ol&gt;</code>		<code>&lt;/ol&gt;</code>

- Result:
1. Name: Your name
  2. Section: ###
  3. Instructor: Yuping



# List tags

**Unordered list:** list items are not listed in a particular order. The syntax is:

`<ul>`

`<li>item1 </li>`

`<li>item2 </li>`

`...`

`</ul>`

e.g. `<ul>`

`<li> Name: Your name </li>`

`<li> Section: ### </li>`

`<li> Instructor: Yuping </li>`

`</ul>`

## ■ Result

- Name: Your name
- Section: ###
- Instructor: Yuping

# Hyperlink

- Link to another location or file
- Syntax:

`<a href= "http://www.ucf.edu" > Link to UCF </a>`

Starting  
Tag

Attribute of the tag: the address of  
the hyperlink

Content displayed on  
the page

Ending tag

Result: [Link to UCF](http://www.ucf.edu)

# Link

- Link to web site

- `<a href= “http://www.ucf.edu” > Link to UCF </a>`

- Link to document

`<a  
href= “http://www.eecs.ucf.edu/images/building.jpg” >Link</a  
>`

- Email link

- `<a href= “mailto:name@domain.com” > Link to email </a>`

# Include a Picture

- `<img src= “FILENAME” />`
- `<img src= “FILENAME” alt= “text” />`
- E.g.
- `<img src= “logo.gif” alt= “Google logo” />`
- `<img src= “logo.gif” />`