



SRI AKILANDESWARI WOMEN'S COLLEGE, WANDIWASH

INTRODUCTION TO WEB HTML

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Topics



- Web Terminology
- HTML
 - What is HTML
 - Parts of an HTML Document
 - HTML Tags
 - Required
 - Common



Internet vs. WWW

- Most people use the two terms interchangeably but they are in fact different.
- The Internet is a vast, international network, made up of computers and the physical connections (wires, routers, etc.) allowing them to communicate.
- The World Wide Web (WWW or just the Web) is a collection of software that spans the Internet and enables the interlinking of documents and resources.
 - Provides a way of accessing information on the Internet.
- For more information about the history of the Internet and WWW:



Web Servers and Clients

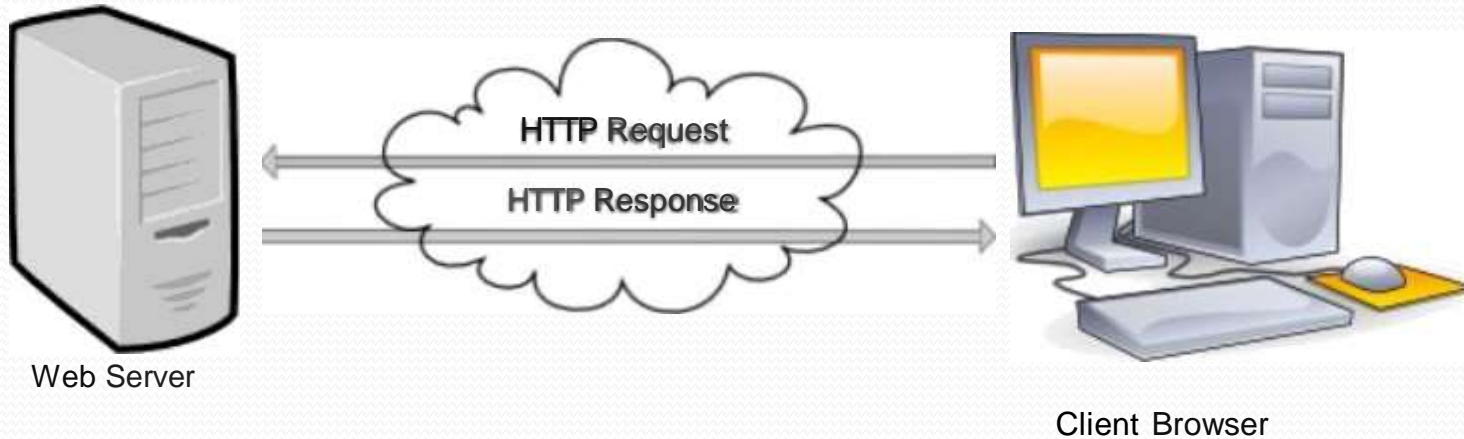
- A **Web server** is a computer that is programmed to send files to browsers on other computers connected to the Internet.
- The **Web browser**, such as Firefox or Internet Explorer, is the **client** that sends a request for a Web page.
- x The Web server answers the request and delivers the requested page to the browser so you can view it.

HTTP



- Stands for HyperText Transfer Protocol
- Allows computers on the WWW to communicate with one another.
- Handles the “request” sent to the Web server and the “response” received from the Web server.

Web Server-Client Diagram



URLs



- Stands for Uniform Resource Locator
- Also called the Web page's address
- You typically type it into your Web browser's location bar when you want to view a Web page

http: **/www**.umbc.edu

Protocol needed to
communicate with
Web server

Name of
Web server

HTM



- Stands for HyperText Markup Language
- Used to create a Web page
- Made up of tags that specify the structure of the document (this section is a heading, this section is a paragraph, etc..)
- An excerpt from a sample HTML document:

```
<html>
  <head>
    <title>Bob's Web page</title>
  </head>
  <body>
    <h1>This is my first Web page</h1>
```




HTML Tags

- Most HTML tags work in pairs. There is an opening and a closing tag. For example:
`<p>Some content here.</p>`
- The `xp»...x/p»` tag displays a paragraph
- `«p»` opens the paragraph (opening tag)
- `x/p »` closes the paragraph (closing tag)
- “Some content here.” will be displayed on the page

Self-closing Tags



- Some HTML tags are self closing. For example:

`
`

- The `
` tag will display a line break.



Required Tags

- All HTML documents should have `html`, `head` and `body` tags, along with the `DOCTYPE` identifier.
 - `!DOCTYPE` — Tells the browser which set of standards the page adheres to
 - `html>...</html>` Surrounds the contents of the entire page
 - `<head>...</head>` -- Lists the identification information on the page, such as the title
 - `<title>...</title>` Gives the name of the page that appears in the top of the browser window
 - `<body>...</body>` -- Frames the content of the page to be displayed in the browser

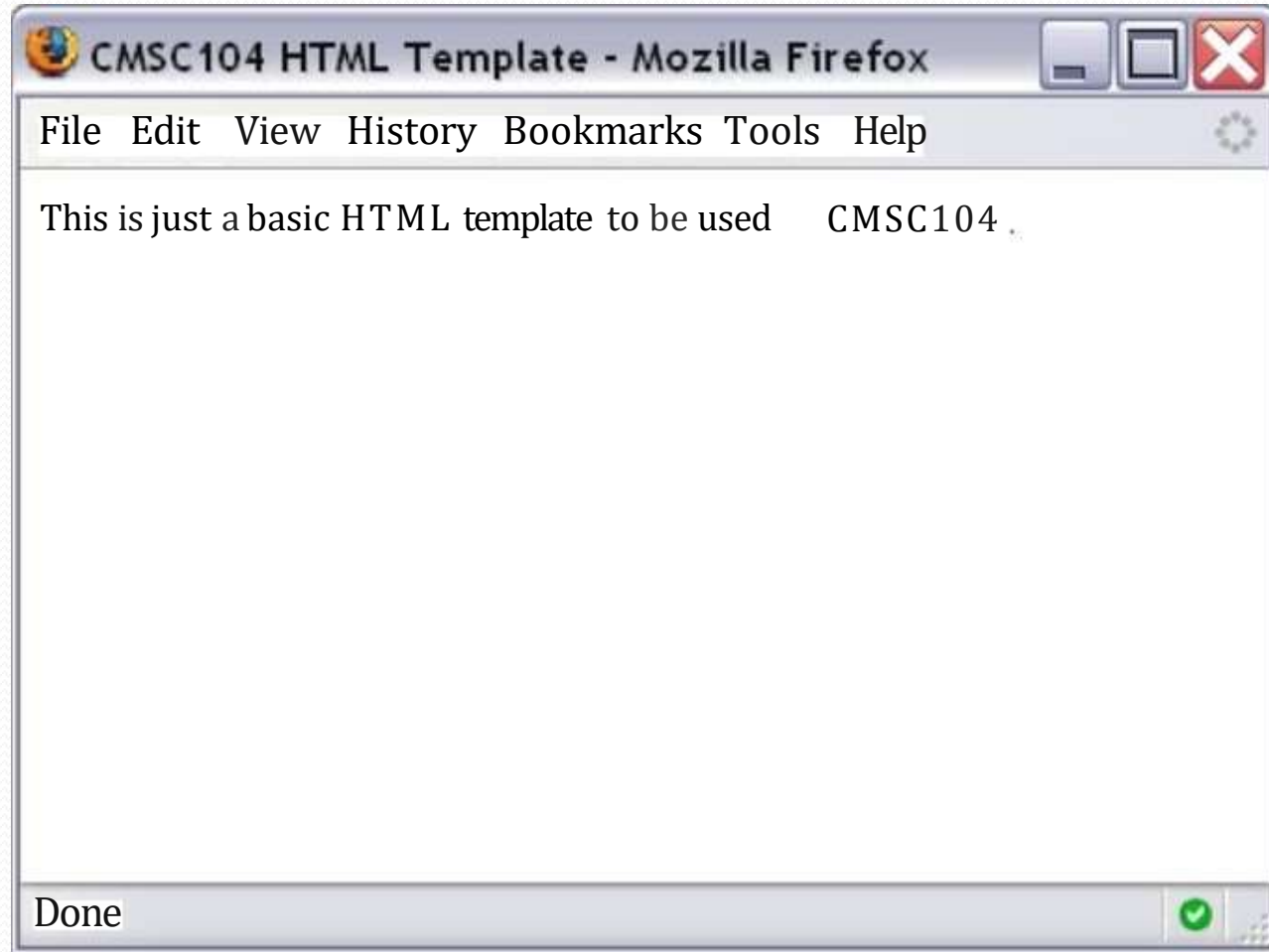
Basic HTML Template



```
<!DOCTYPE html>
<html>
  <head>
    <title>CMSC104 HTML Template</title>
  </head>
  <body>
    This is just a basic HTML template to be used in CMSC104.
  </body>
</html>
```

Basic HTML Template Screenshot

ttd.
✱



Some Common HTML Tags and Their Meanings

<>
ttd.

- `<p>...</p>` -- Creates a paragraph
- `
` -- Adds a line break
- e `<hr />` -- Separates sections with a horizontal rule
- `<h1>...</h1>` -- Displays a heading (h1-h6)
- `<! —.→` -- Inserts a comment
- `...` -- Creates an ordered list
- e `...` —Creates an unordered list
- e `` -- Inserts an image into the document
- `<a>...` -- Inserts a link into the document

Paragraph Example

<p

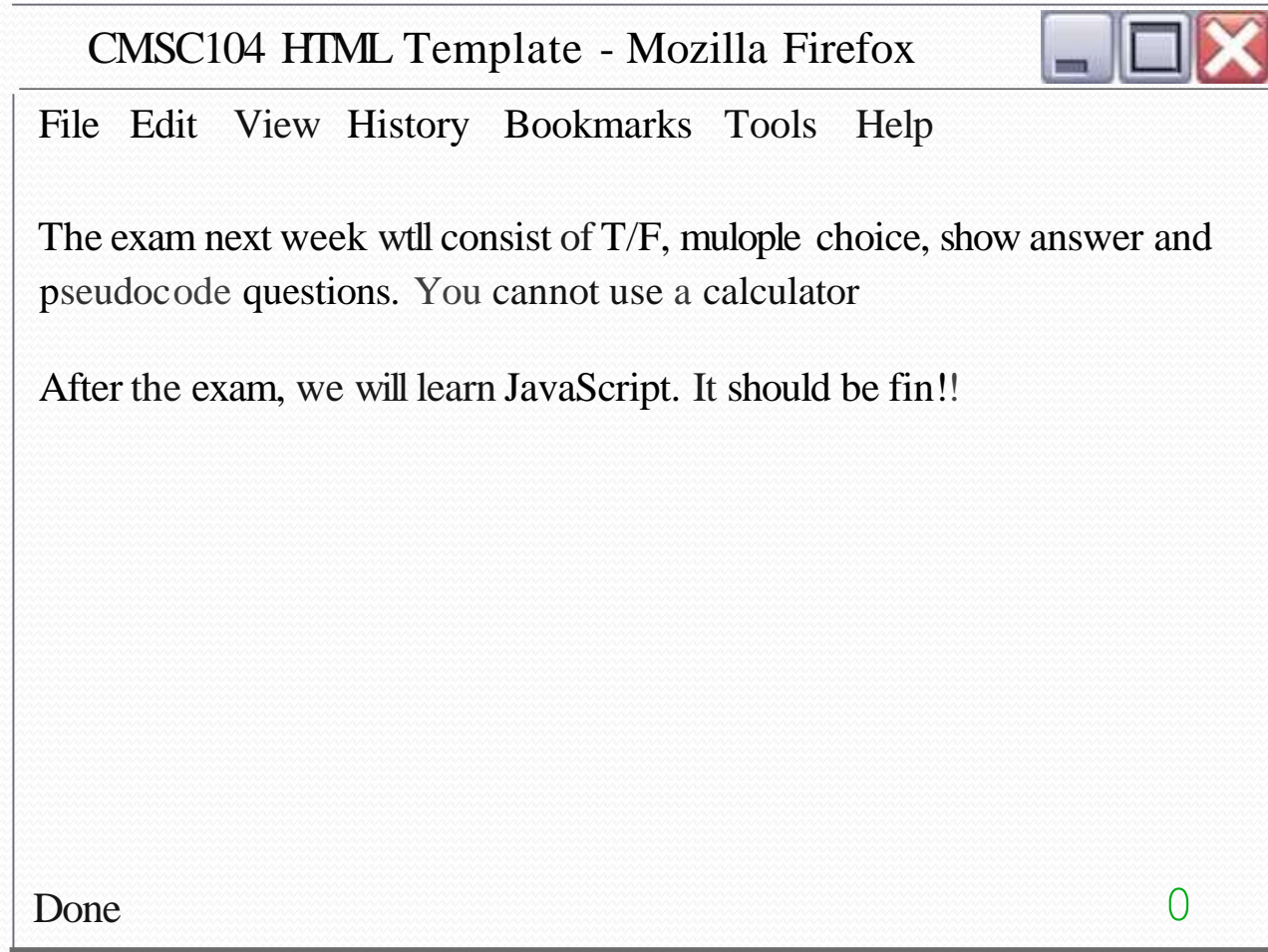
The exam next week will consist of T/F, multiple choice, short answer and pseudocode questions. You cannot use a calculator.

</p>

After the exam, we will learn JavaScript. It should be fun!!

Paragraph Example

Screenshot





Line Break Example

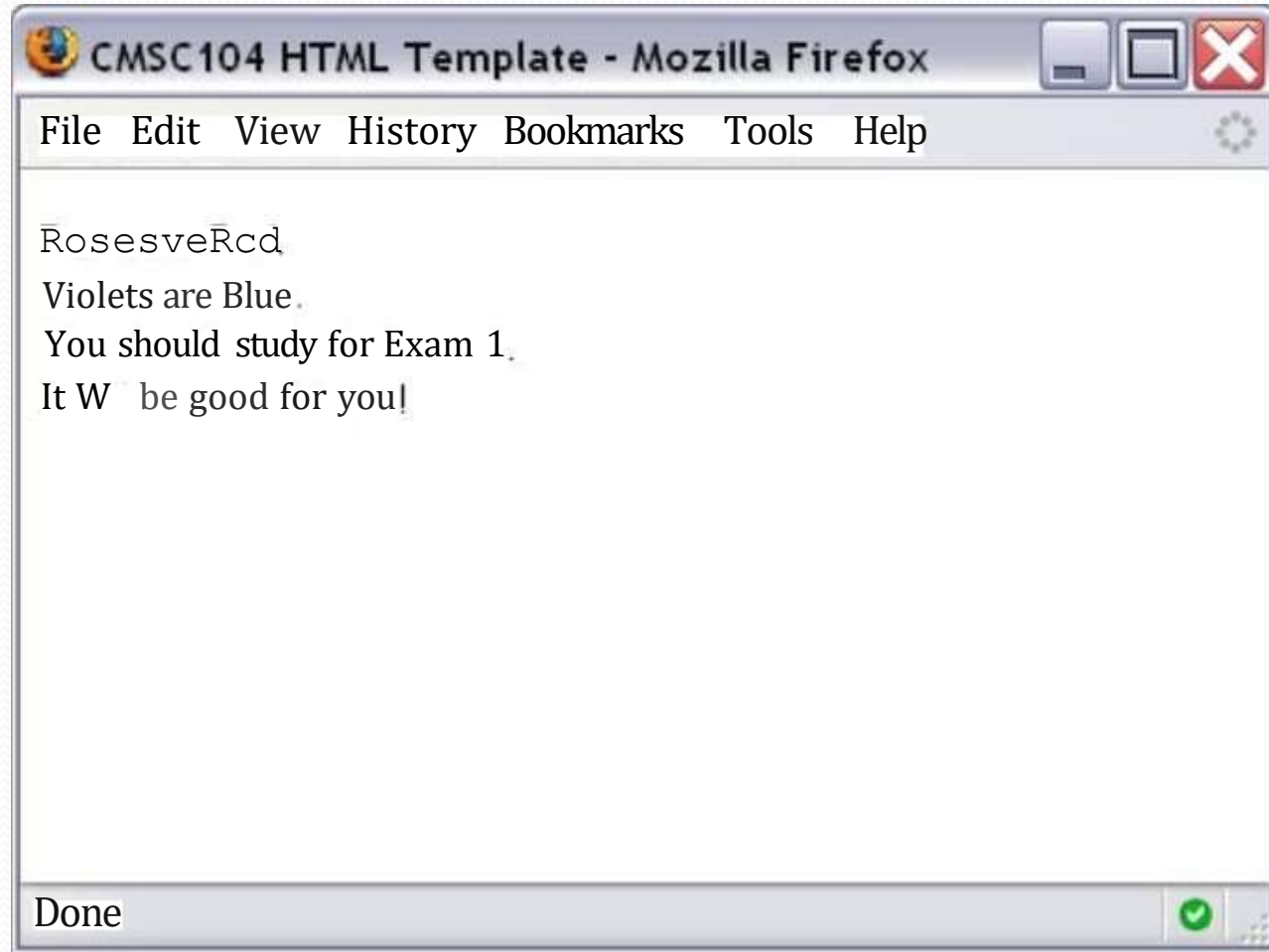
Roses are Red. `
`

Violets are Blue. `
`

You should study for Exam 1. `
`

It will be good for you!

Line Break Example Screenshot



Horizontal Rule Example

)>

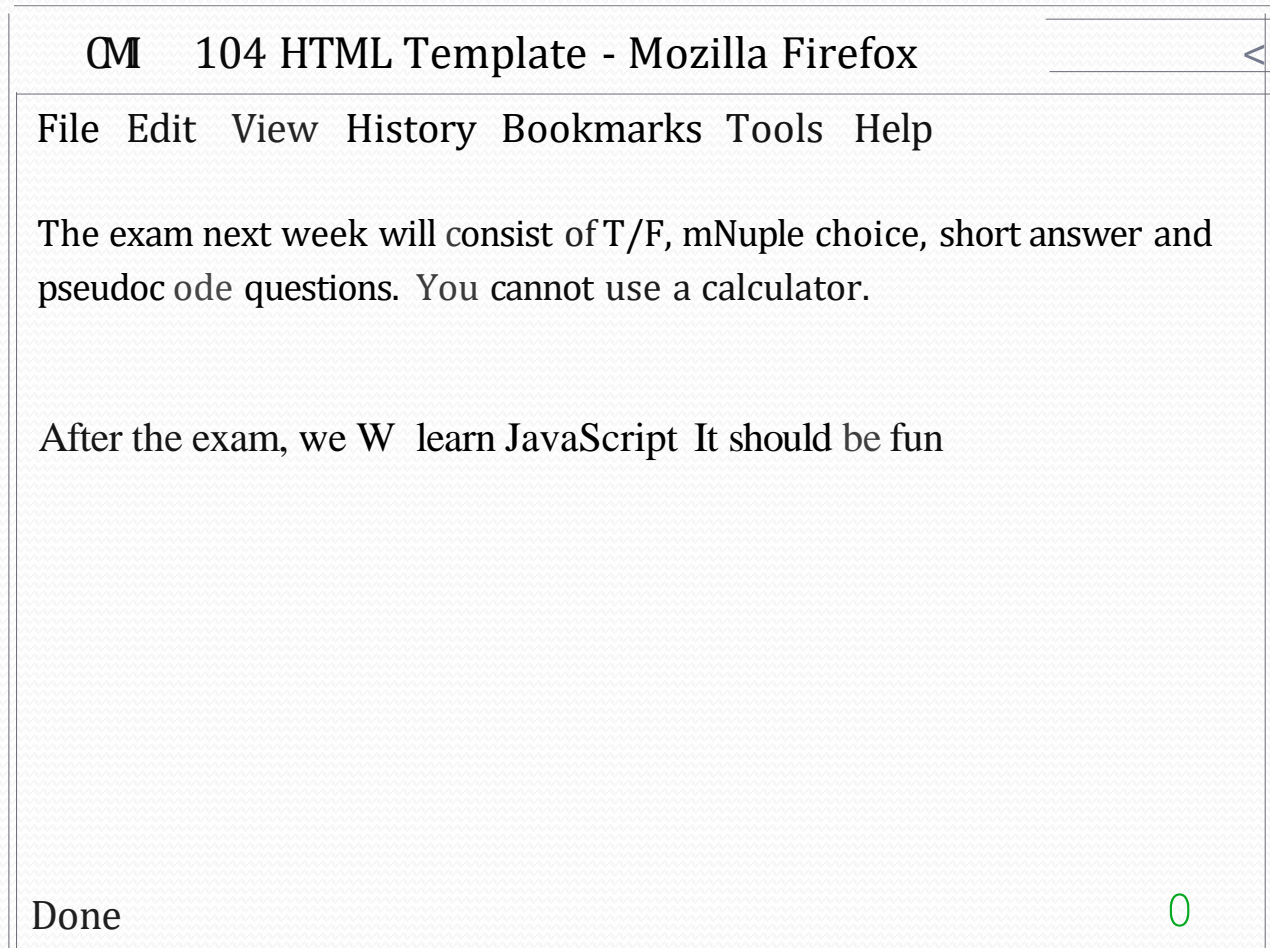
- The exam next week will consist of T/F, multiple choice, short answer and pseudocode questions. You cannot use a calculator.

<p

- `<hr />`

- After the exam, we will learn JavaScript.
- It should be fun!!

Horizontal Rule Example Screenshot



Head Example



```
<h1>This is heading 1</h1>
```

```
<h2>This is heading 2</h2>
```

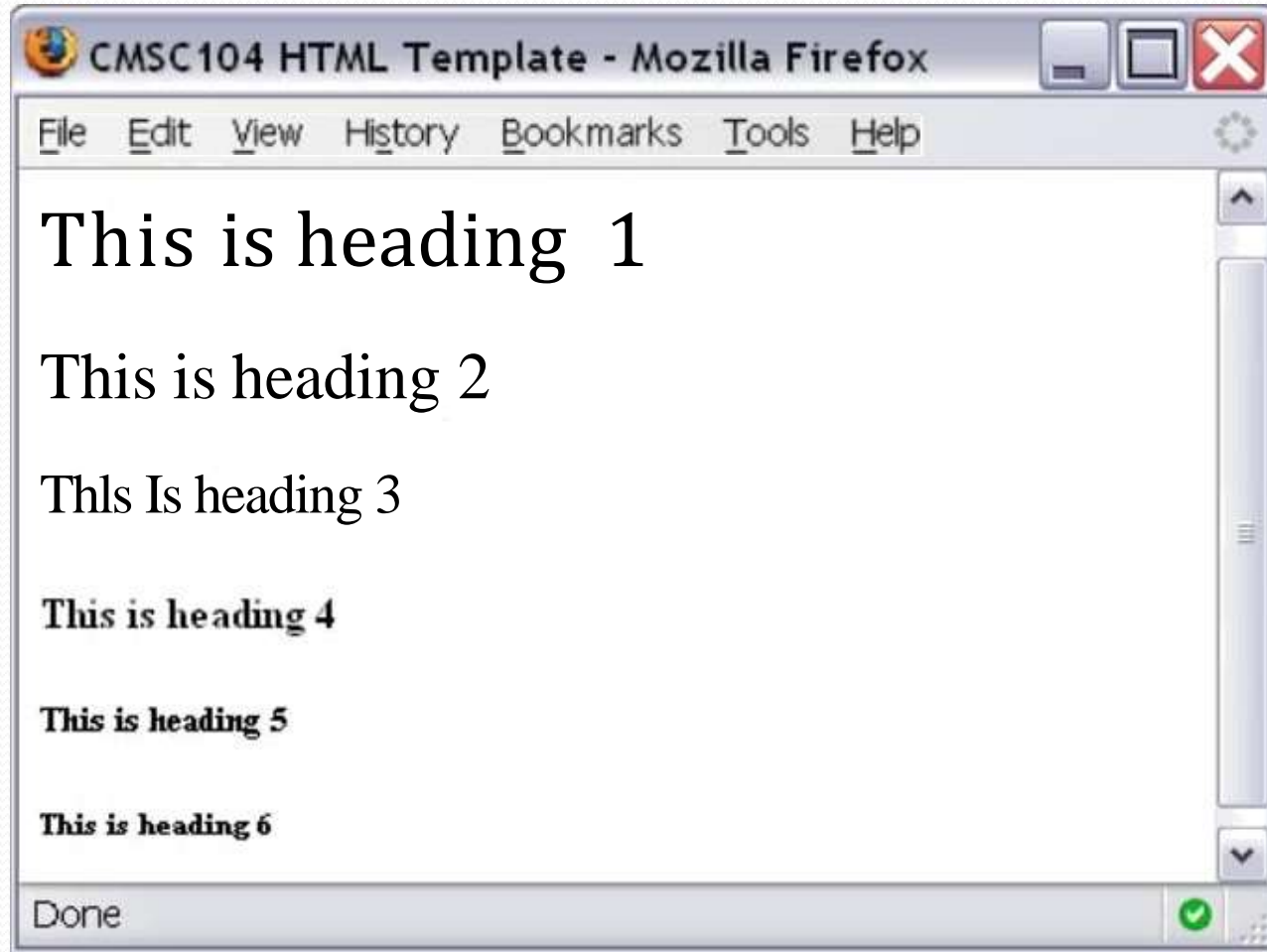
```
<h3>This is heading 3</h3>
```

```
<h4>This is heading 4</h4>
```

```
<h5>This is heading 5</h5>
```

```
<h6>This is heading 6</h6>
```

Heading Example Screenshot



Comment Example

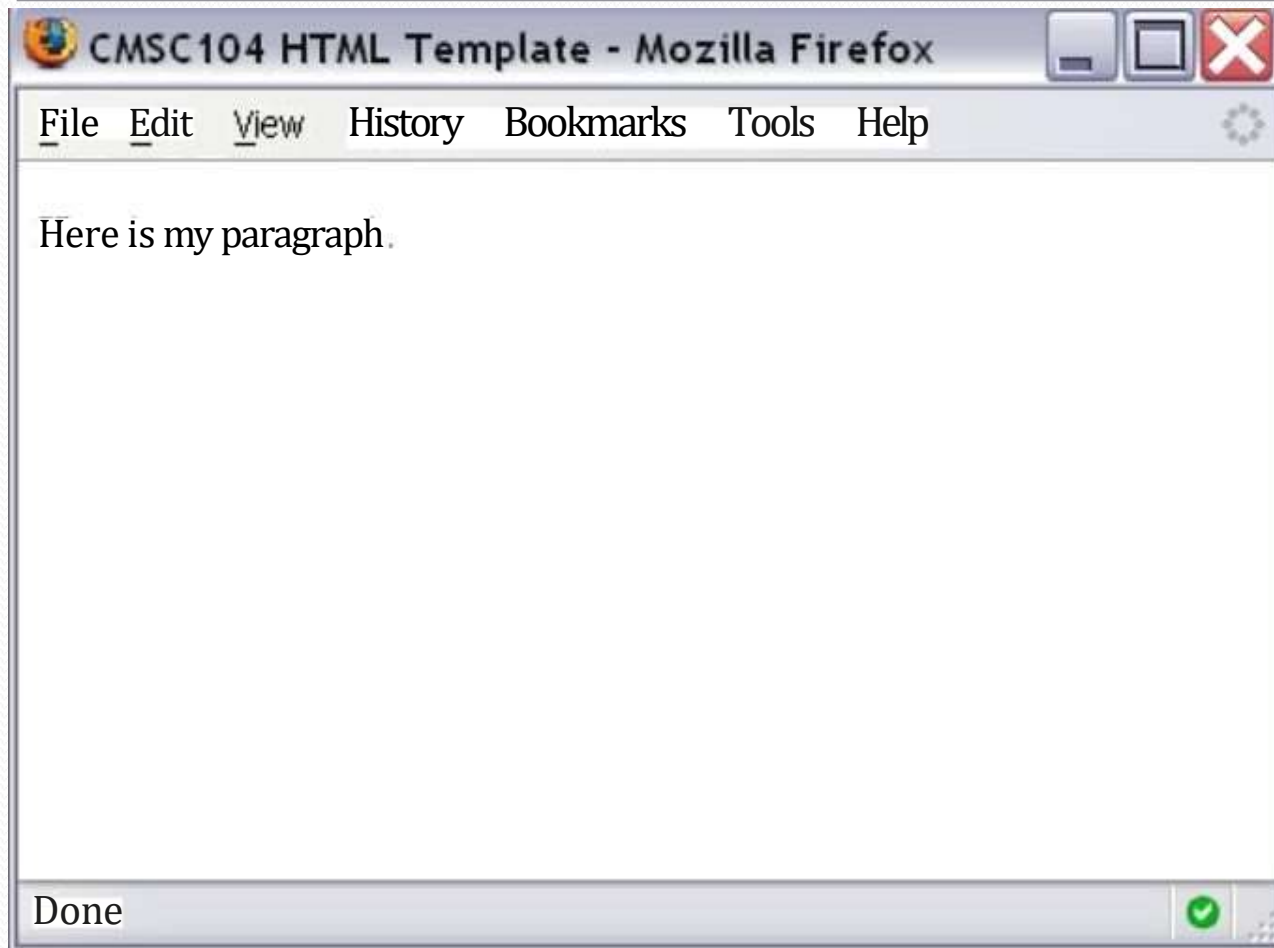


```
<!-- This is just some sample html  
to illustrate the use of a  
comment -->
```

Here is my paragraph.

```
<!-- Here is another comment -->
```

Head Example Screenshot



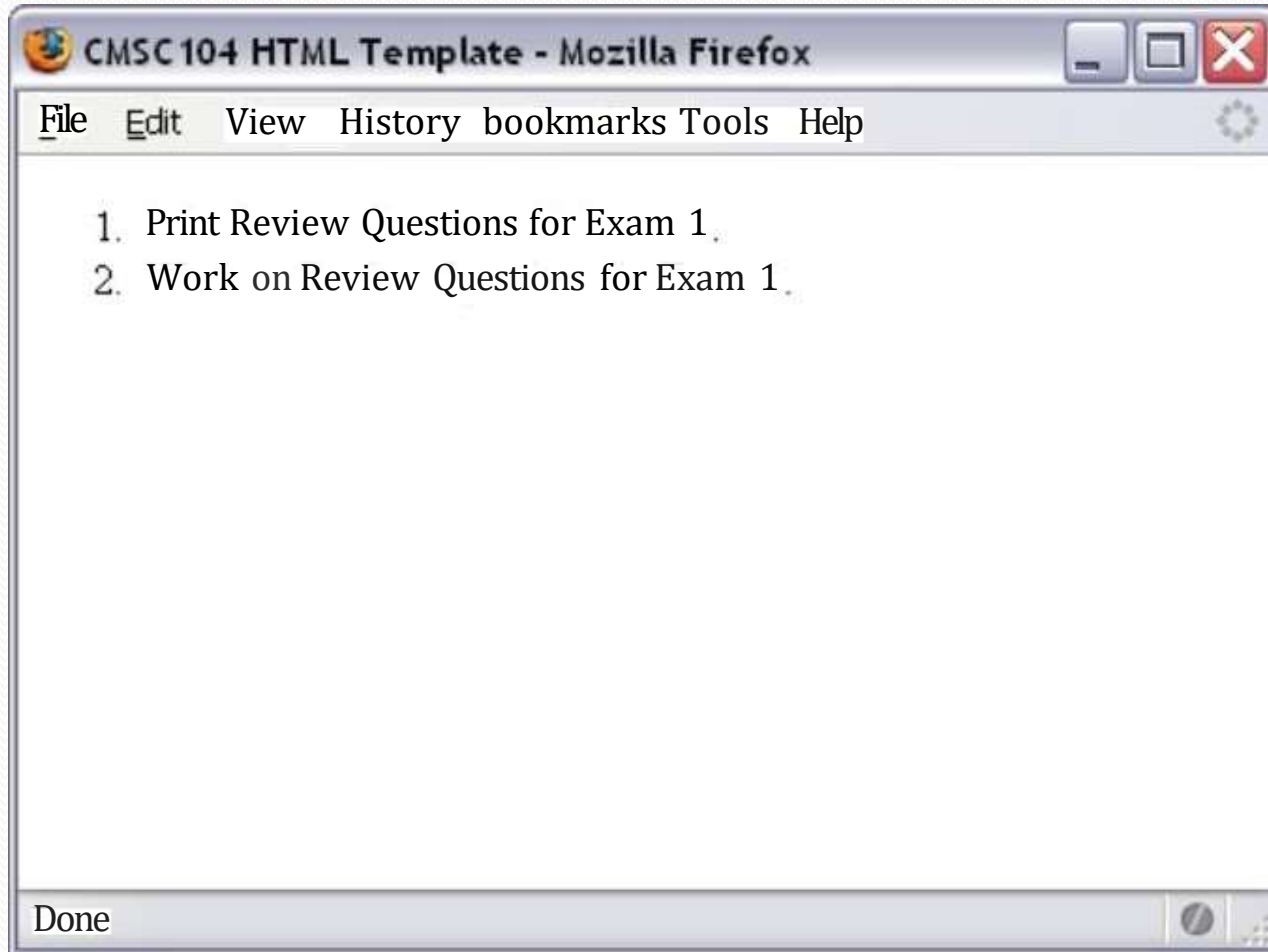
Ordered List Example



```
<ol>  
  <li>Print Review Questions for Exam 1.</li>  
  <li>Work on Review Questions for Exam 1.</li>  
</ol>
```

Ordered List Screenshot

a a e e
” , ”





Unordered List Example

```
<ul>  
  <li>country music</li>  
  <li>monday mornings</li>  
  <li>brussels sprouts</li>  
</ul>
```

Unordered List Screenshot

a a e e
” , ” ”



Link Example



```
<a href="http://www.cs.umbc.edu/104/">CMSC104 Main page</a>
```

Link Screenshot



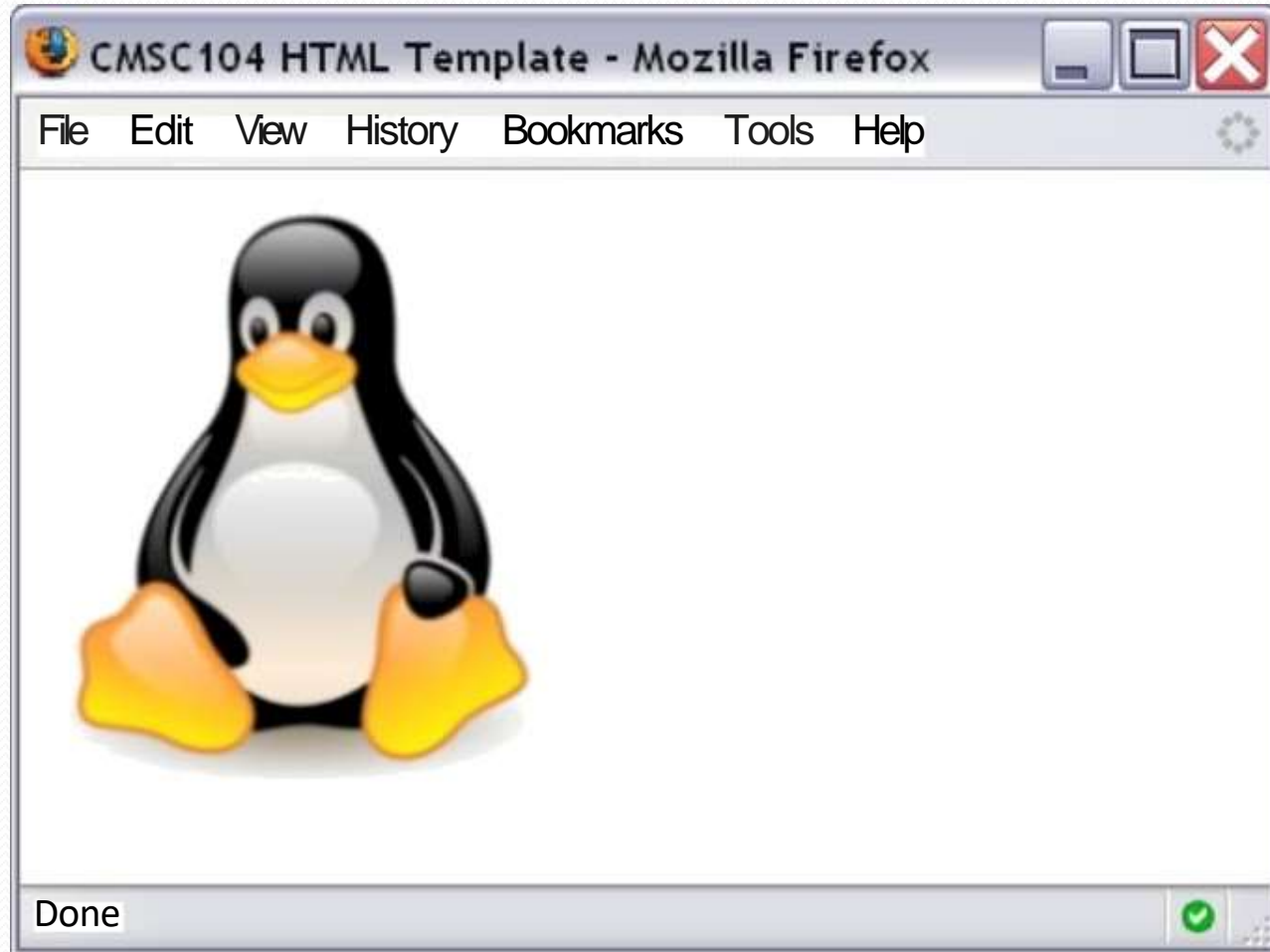
Image Example



```

```

Image Screenshot



Working Example



- To see an example page that uses all of the tags we discussed today, visit



THANK YOU!!!