CSCI 1120- Introduction to Computing

HTML: Images, Links, Lists

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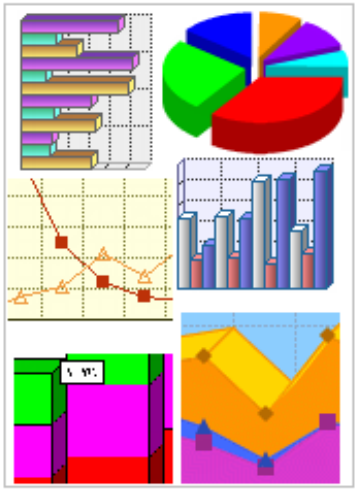
HTML Images

JPG Images

GIF Images

PNG Images



HTML Images Syntax

- In HTML, images are defined with the <img> tag.
- The <img> tag is empty, it contains attributes only, and does not have a closing tag.
- The alt attribute specifies an alternate text for an image, if the image cannot be displayed.

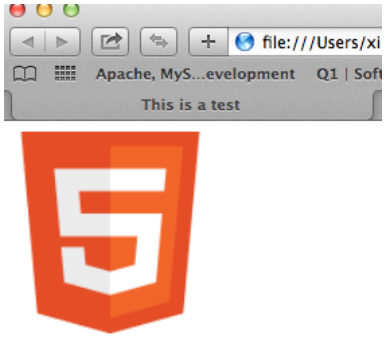
Image Size - Width and Height

- You can use the style attribute to specify the width and height of an image.
- The values are specified in pixels.

HTML Images

xinyang — vim — 50×24

```
 1 <!DOCTYPE html>
 2 <html>
 3 <head>
 4         <title> This is a test </title>
 5 </head>
 6 <body>
 7
 8 <!-- Here is how to show images in HTML -->
 9 <img src="html5.gif" alt="html5 Icon" style="w
   idth:150px; height:150px;">
10
11 </body>
12 </html>
13
```



Images in Another Folder

- If not specified, the browser expects to find the image in the same folder as the web page.
- However, it is common to store images in a sub-folder. You must then include the folder name in the src attribute.

Images in Another Folder

xinyang — vim — 50×24

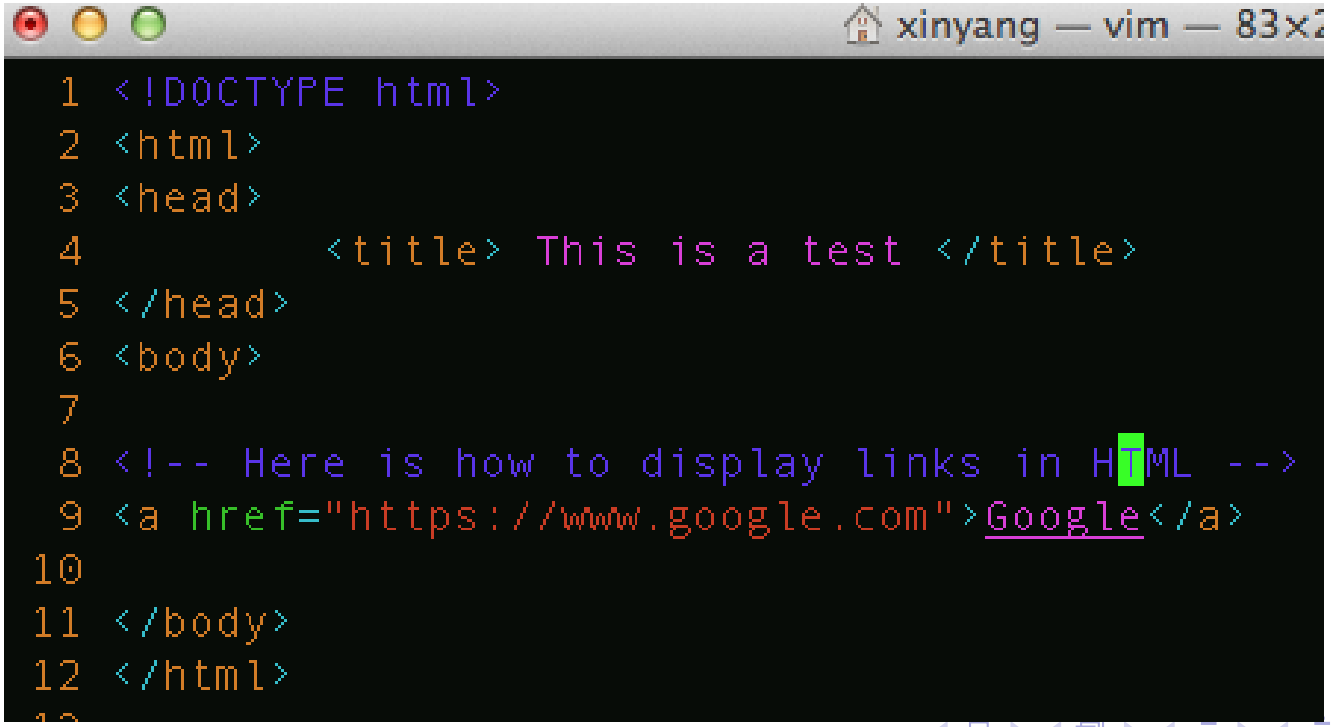
```
 1 <!DOCTYPE html>
 2 <html>
 3 <head>
 4         <title> This is a test </title>
 5 </head>
 6 <body>
 7
 8 <!-- Here is how to show images in HTML -->
 9 <img src="/images/html5.gif" alt="html5 Icon"
   style="width:150px; height:150px;">
10
11 </body>
12 </html>
13
```

Images Links - Hyperlinks

- HTML links are hyperlinks.
- A hyperlink is a text or an image you can click on, and jump to another document.

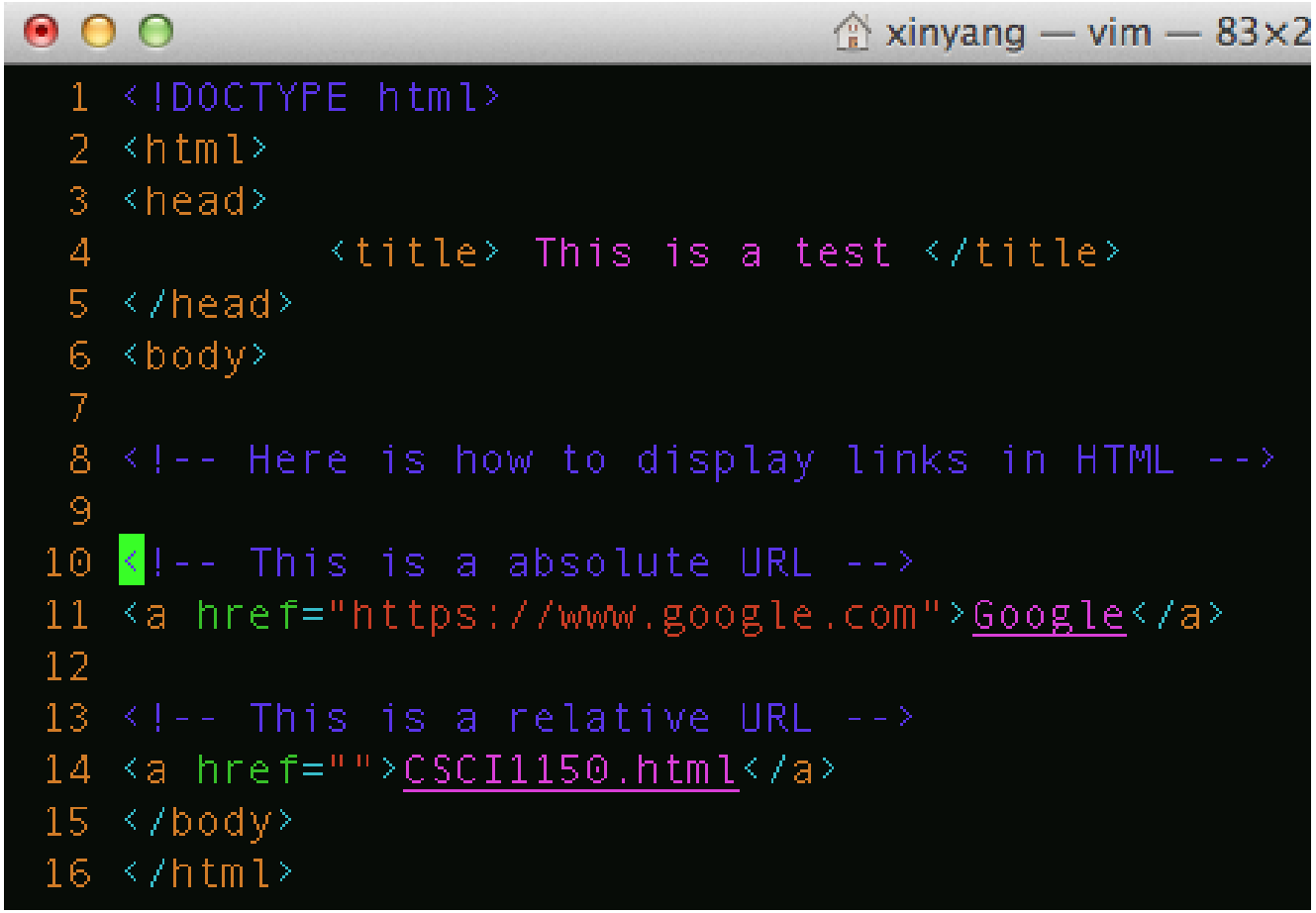
Images Links - Syntax

- In HTML, links are defined with the <a> tag.
- The href attribute specifies the destination address.
- The link text is the visible part.
- Here we use absolute URL (a full web address)



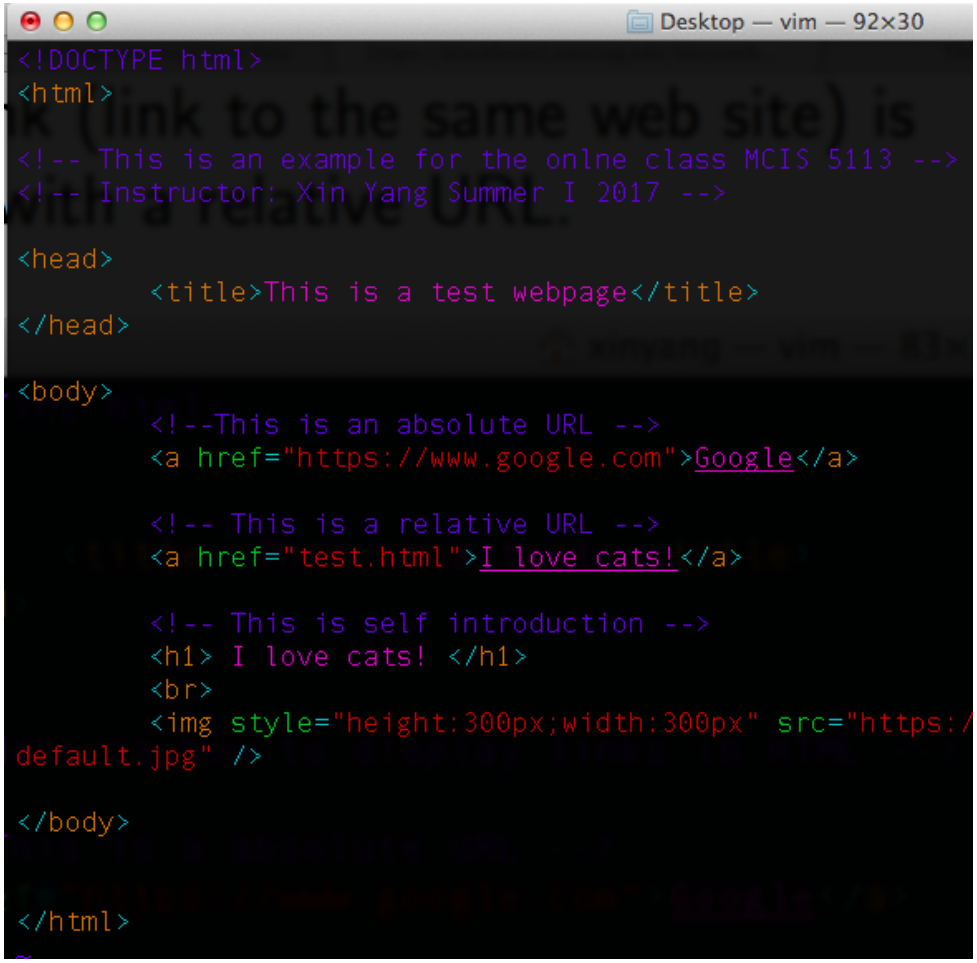
Local Links

- A local link (link to the same web site) is specified with a relative URL.



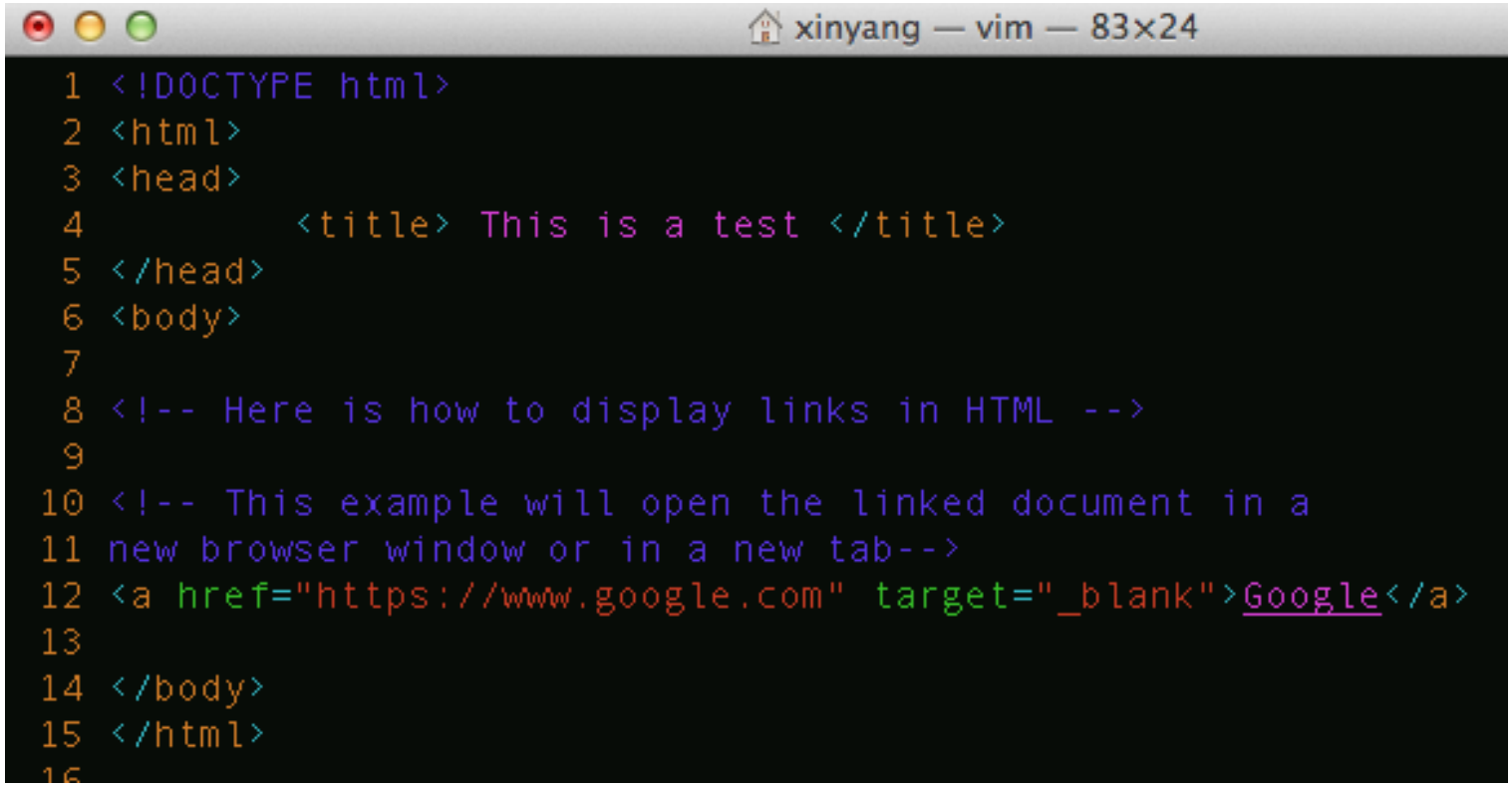
Local Links

- A local link (link to the same web site) is specified with a relative URL.



HTML Links - The target Attribute

- The target attribute specifies where to open the linked document.



HTML Links - Image as Link

- It is common to use images as links.

xinyang — vim — 83×24

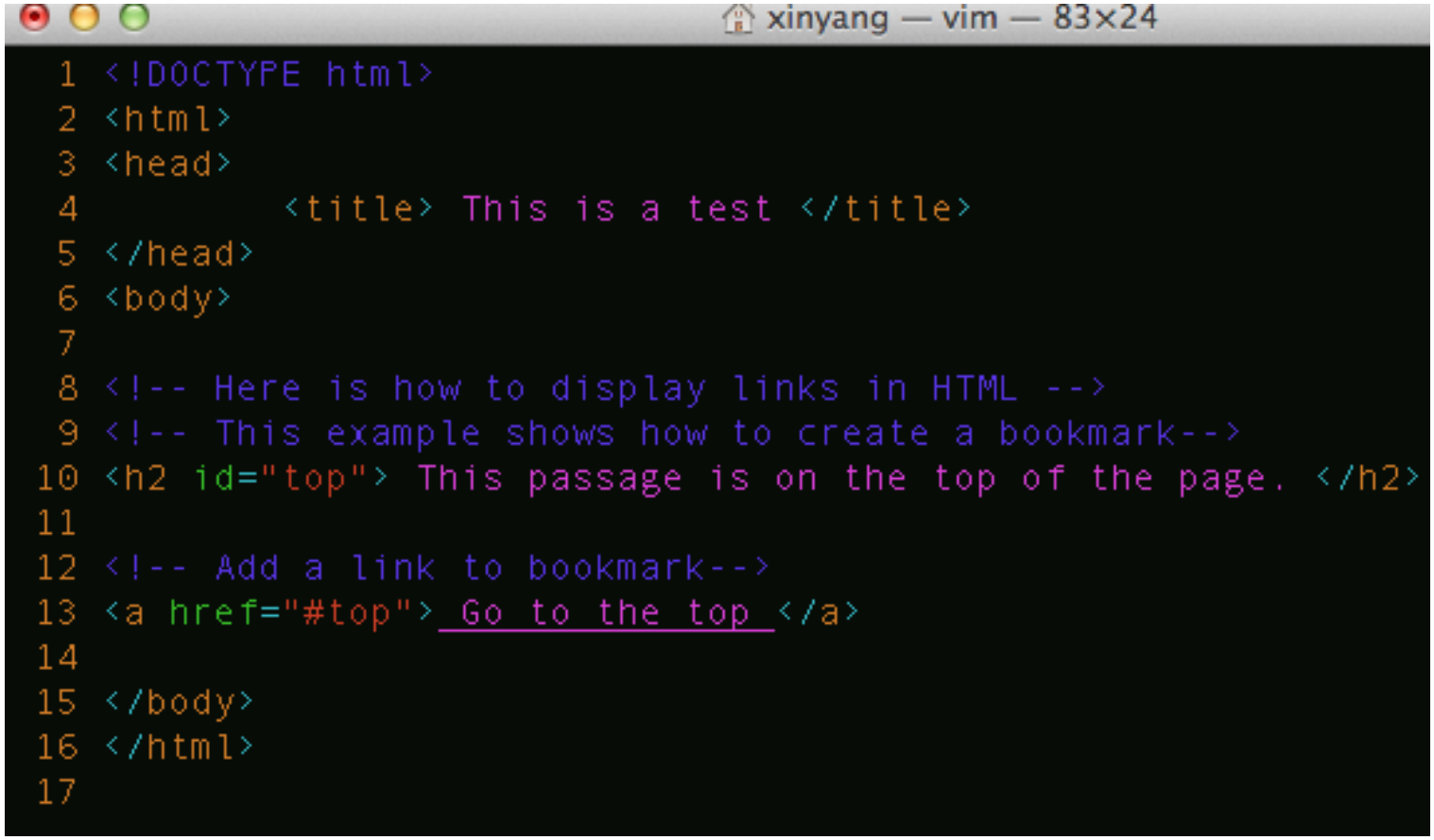
```
 1 <!DOCTYPE html>
 2 <html>
 3 <head>
 4         <title> This is a test </title>
 5 </head>
 6 <body>
 7
 8 <!-- Here is how to display links in HTML -->
 9
10 <!-- This example shows how to use images as links-->
11 <a href="https://cs.mtsu.edu/~xy2e/CSCI1150.html">
12 <img src="html5.gif" alt="CSCI1150" style="width:150px; height:150px">
13 </a>
14 </body>
15 </html>
16
~
```

HTML Links - Create a Bookmark

- HTML bookmarks are used to allow readers to jump to specific parts of a Web page.
- Bookmarks are practical if your website has long pages.

HTML Links - Create a Bookmark

- To make a bookmark, you must first create the bookmark, and then add a link to it.



HTML Lists

Example of an unordered list and an ordered list in HTML:

Unordered List:

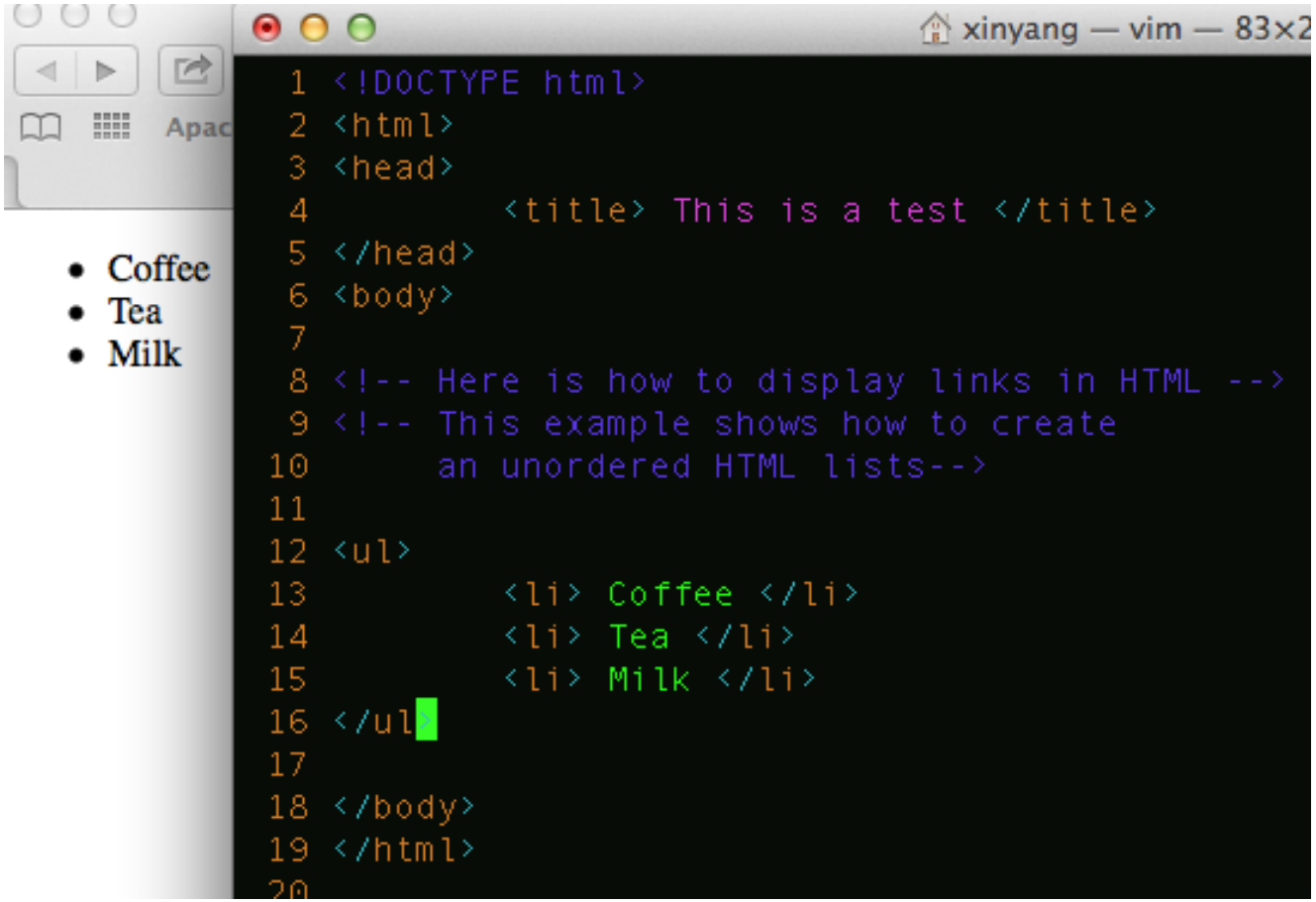
- Item
- Item
- Item
- Item

Ordered List:

1. First item
2. Second item
3. Third item
4. Fourth item

HTML Lists - Unordered HTML Lists

- An unordered list starts with the <ul> tag.
- Each list item starts with the <li> tag.

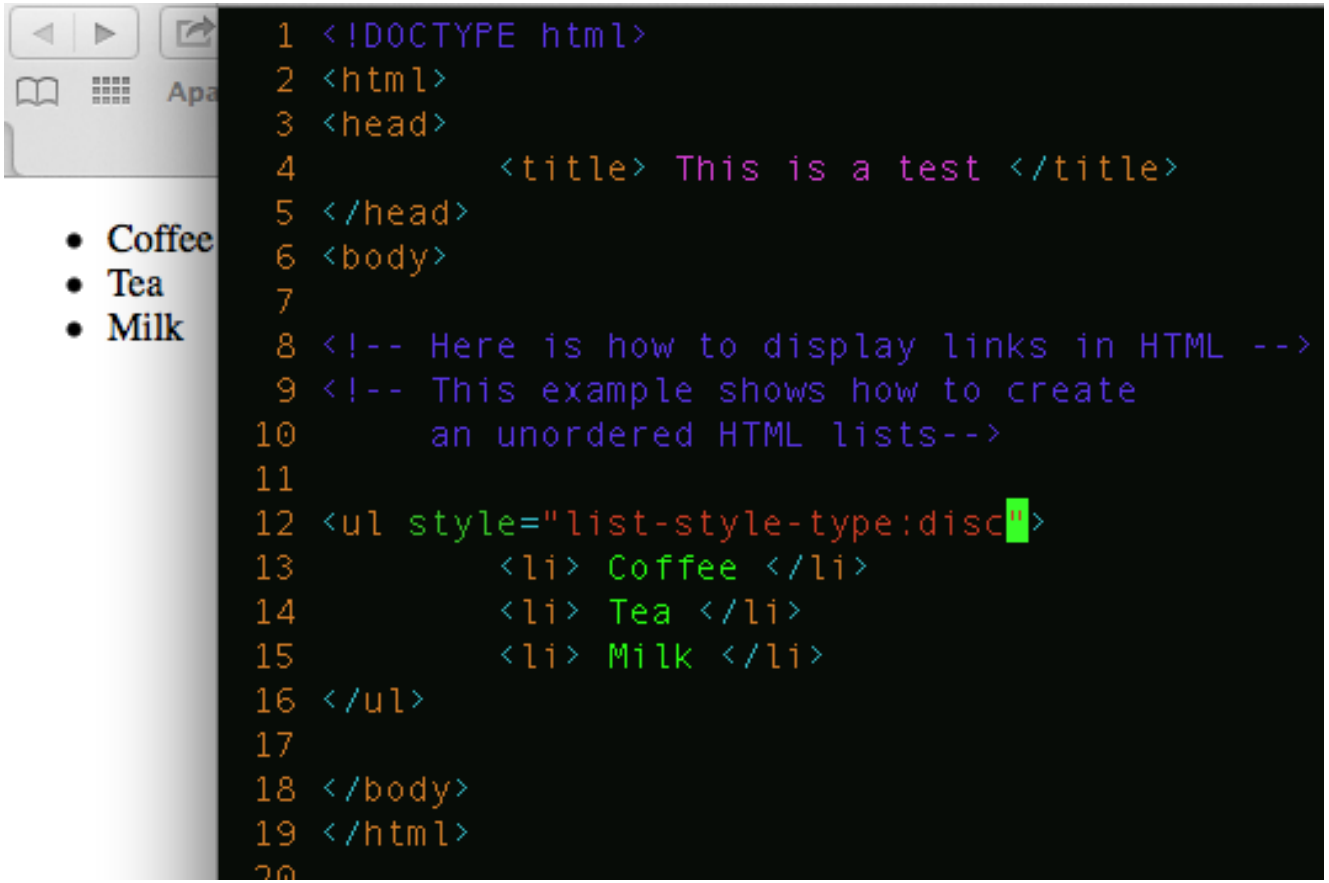


Unordered HTML Lists - The Style Attribute

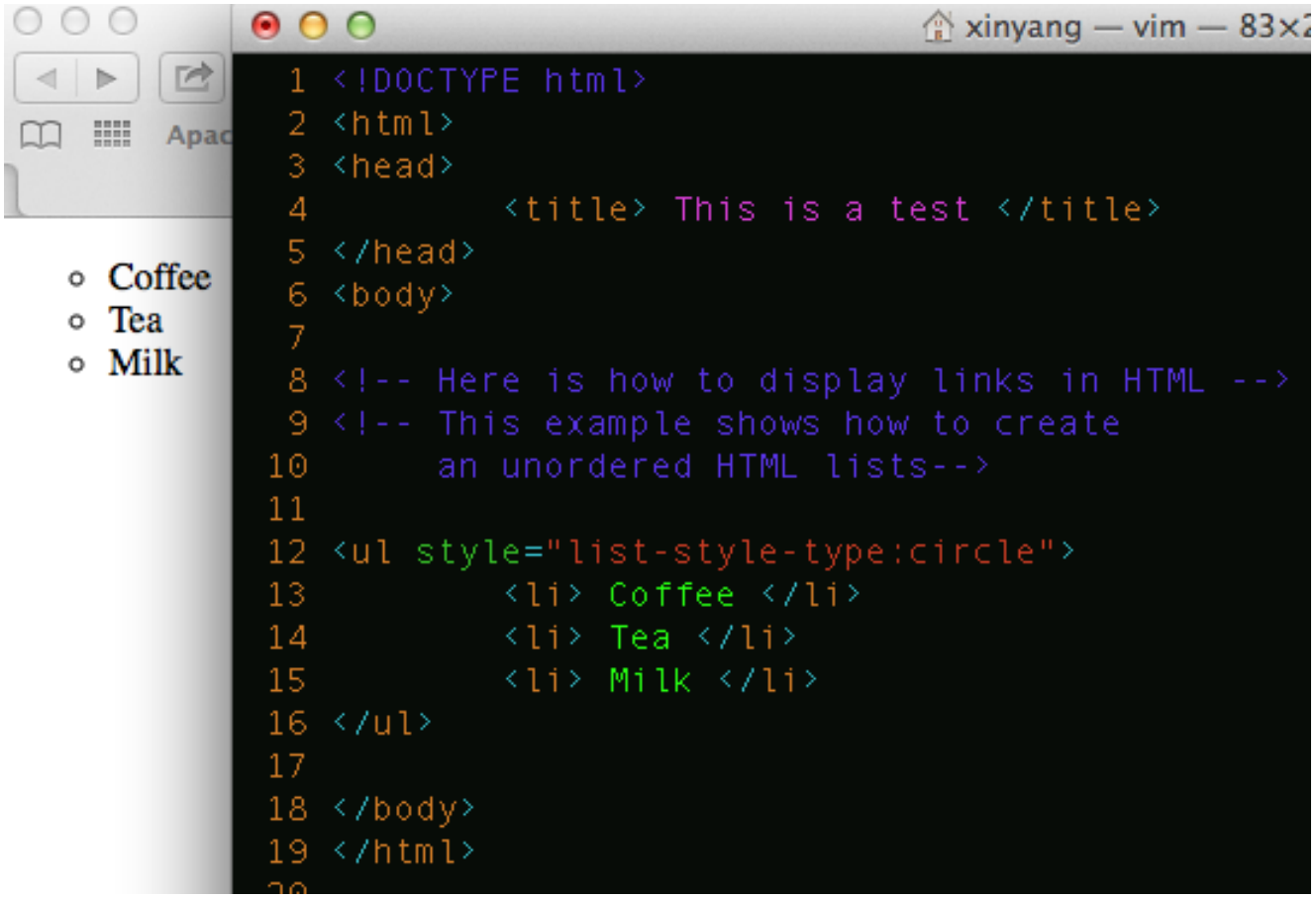
- A style attribute can be added to an unordered list, to define the style of the marker:

Style	Description
list-style-type:disc	The list items will be marked with bullets (default)
list-style-type:circle	The list items will be marked with circles
list-style-type:square	The list items will be marked with squares
list-style-type:none	The list items will not be marked

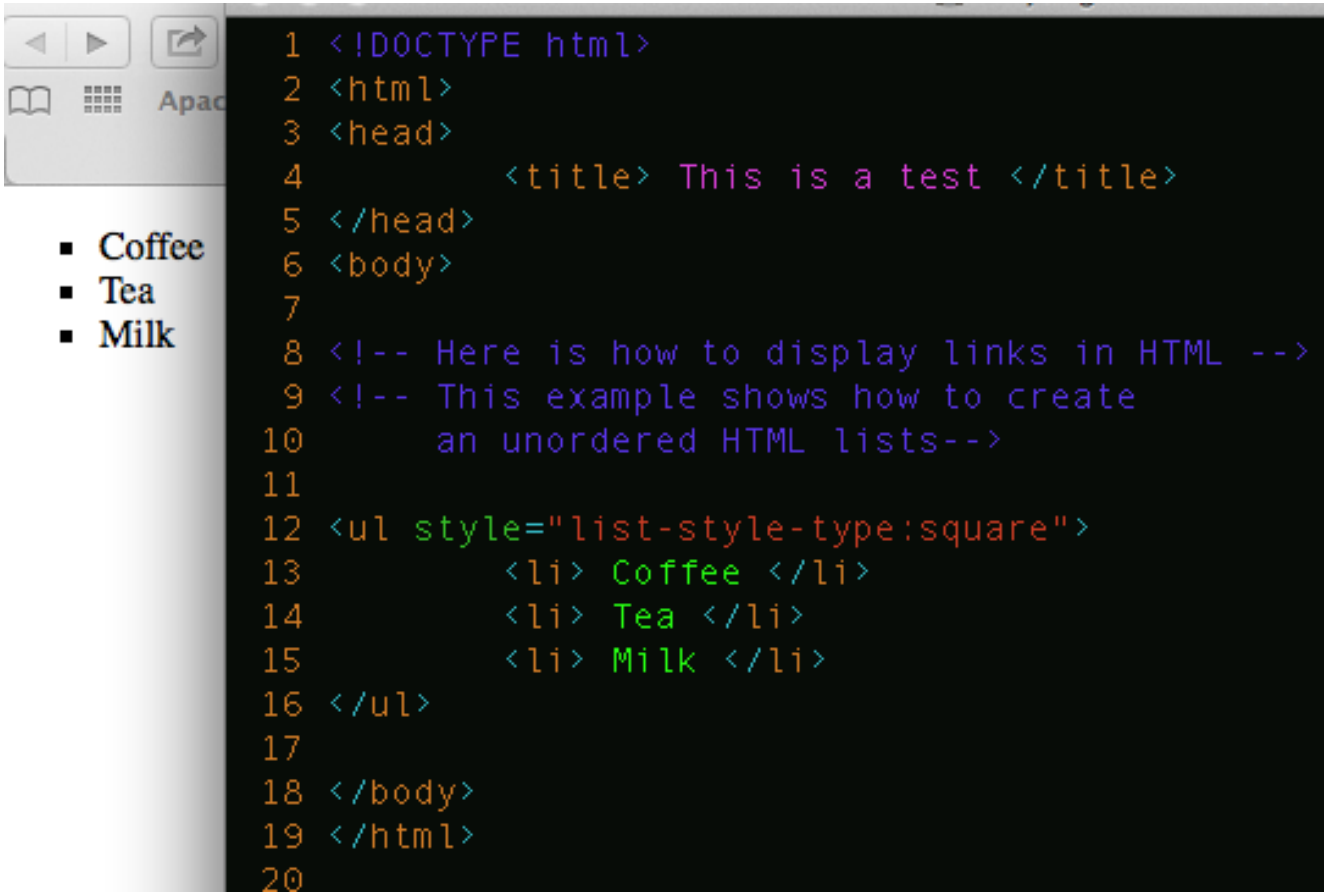
Unordered HTML Lists - list-style-type:disc



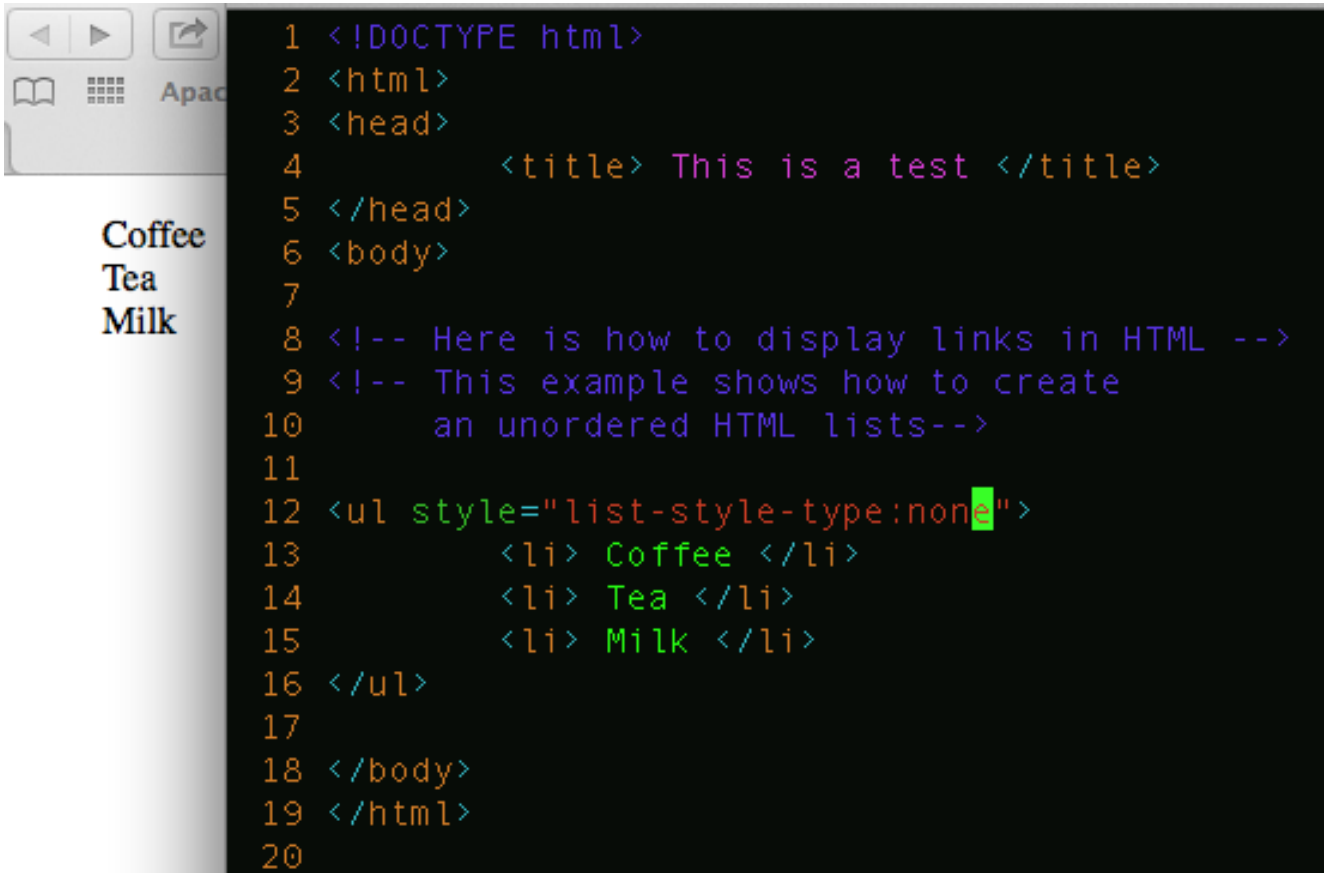
Unordered HTML Lists - list-style-type:circle



Unordered HTML Lists - list-style-type:square



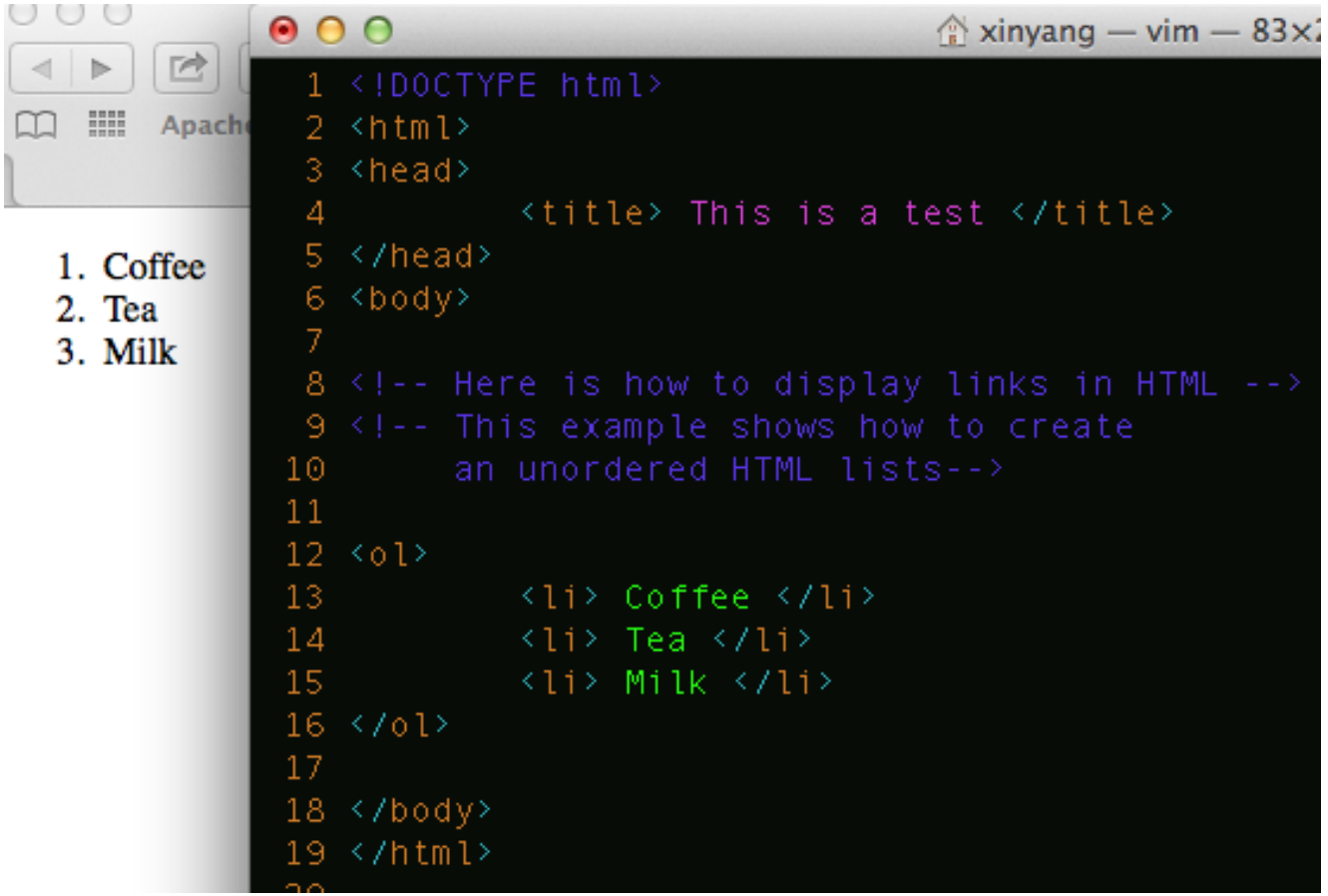
Unordered HTML Lists - list-style-type:none




```
<!DOCTYPE html>
<html>
<head>
        <title> This is a test </title>
</head>
<body>

<!-- Here is how to display links in HTML -->
<!-- This example shows how to create
     an unordered HTML lists-->

<ul style="list-style-type:none">
        <li> Coffee </li>
        <li> Tea </li>
        <li> Milk </li>
</ul>

</body>
</html>

```

HTML Lists - Ordered HTML Lists

- An ordered list starts with the <ol> tag.
- Each list item starts with the <li> tag.

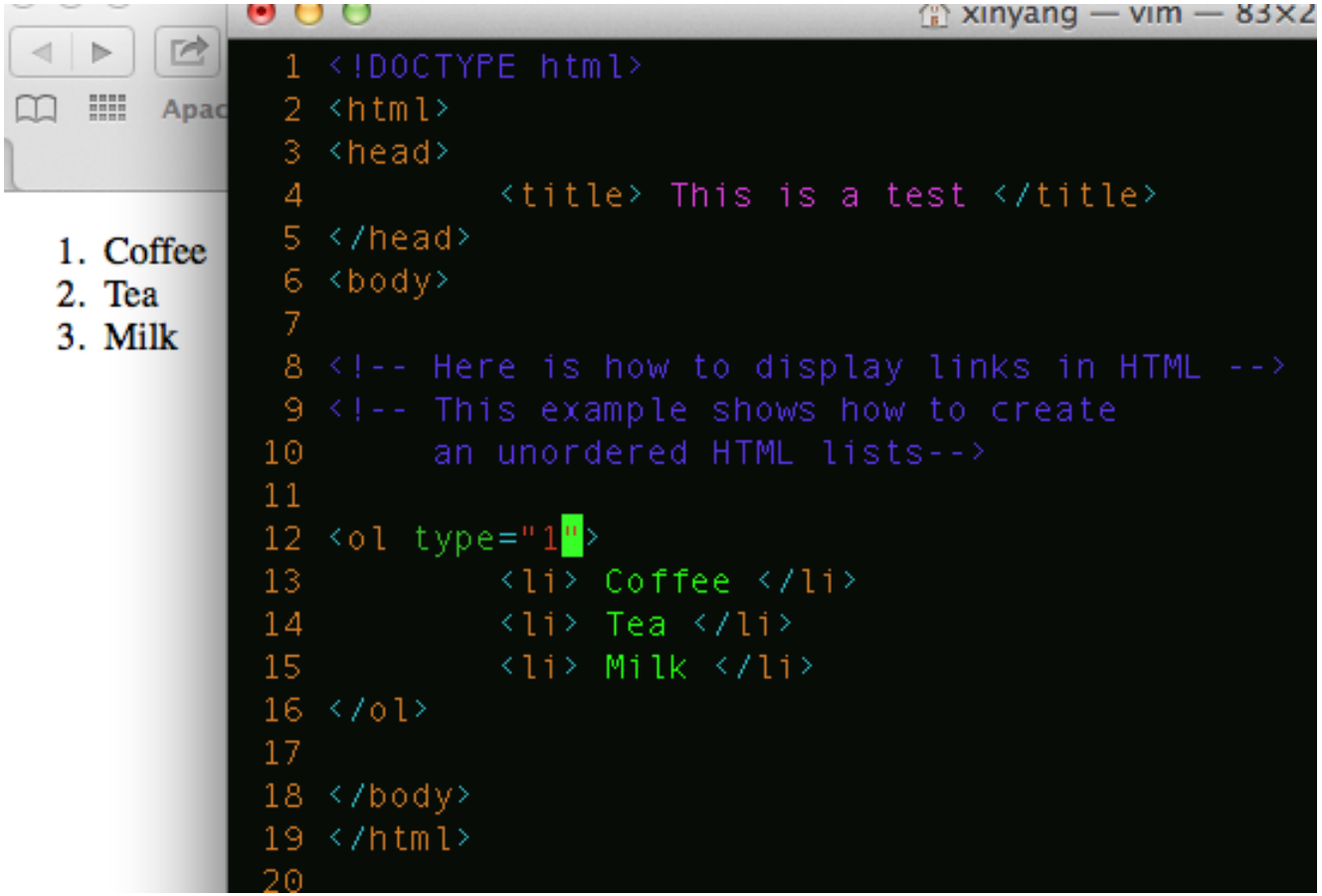


Unordered HTML Lists - The Type Attribute

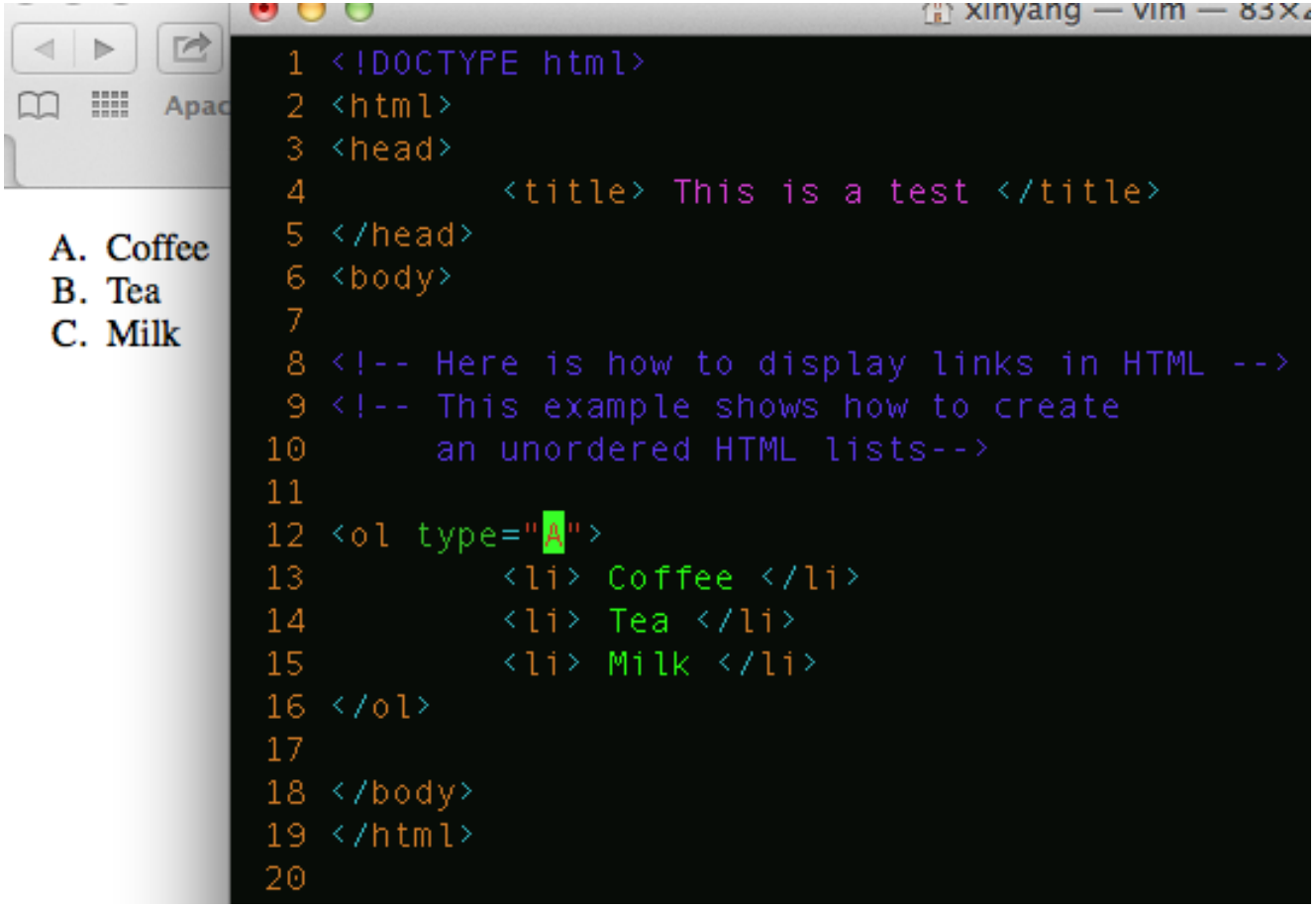
- A type attribute can be added to an ordered list, to define the style of the marker:

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

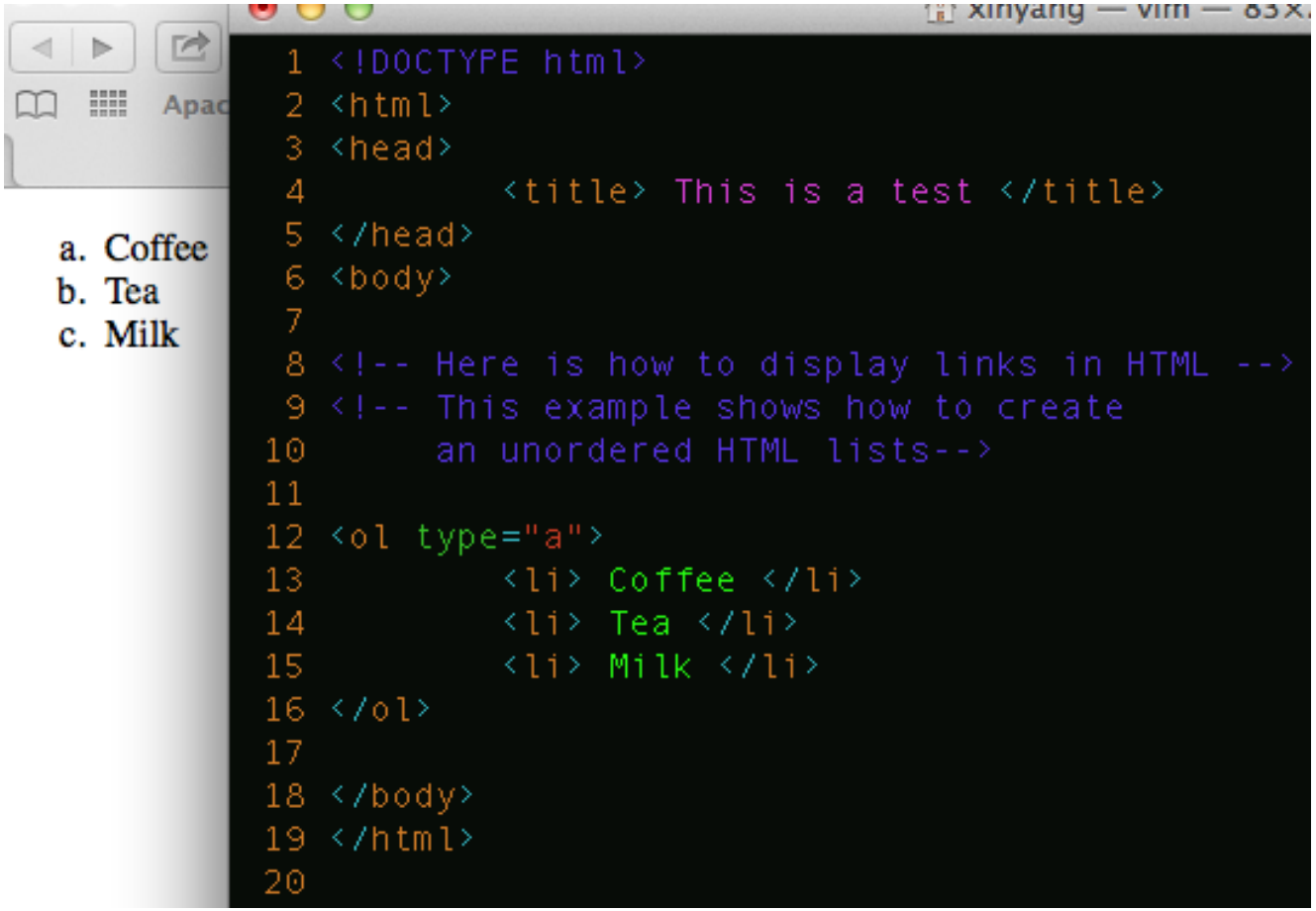
Ordered HTML Lists - The Type Attribute: Numbers



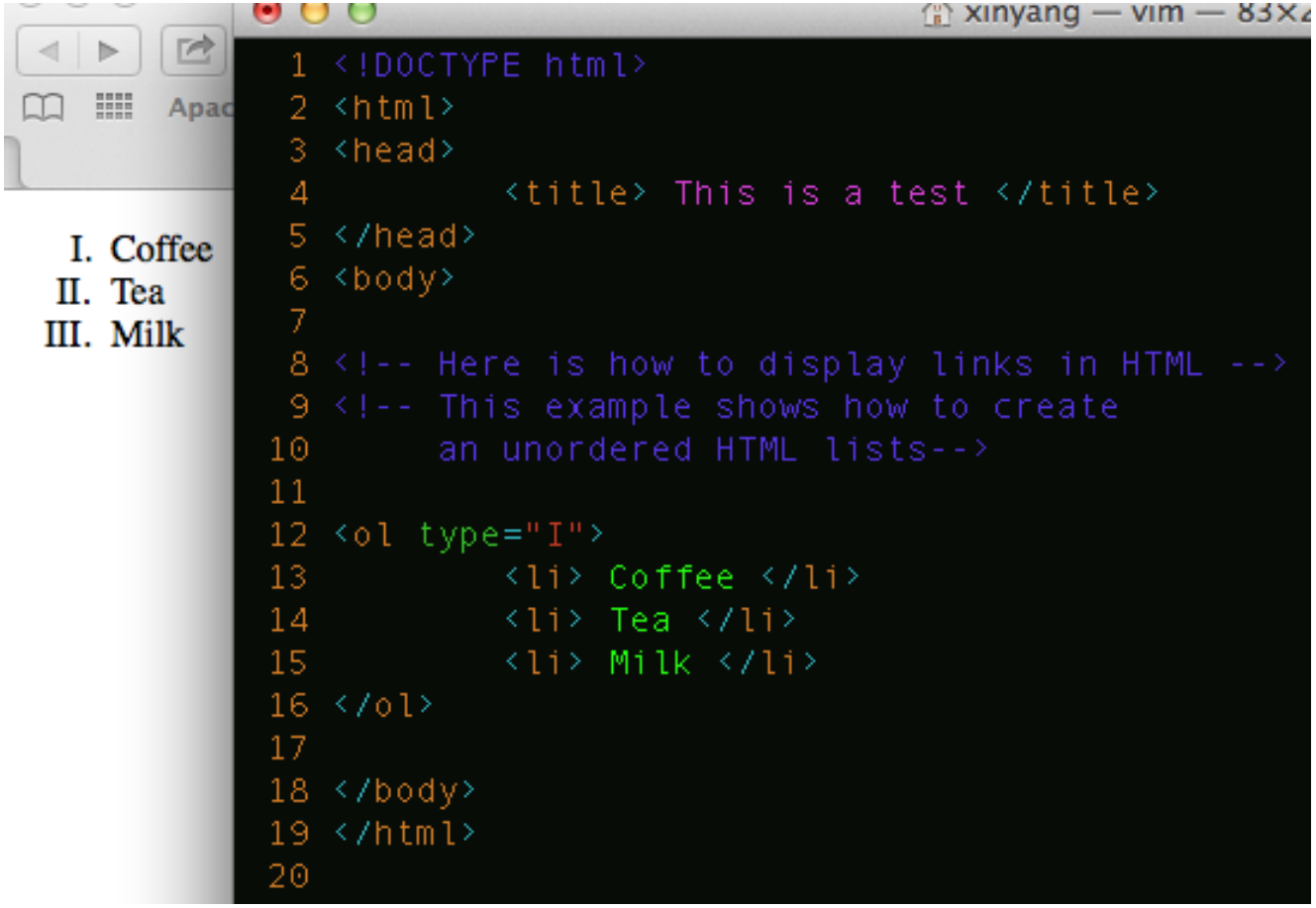
Ordered HTML Lists - The Type Attribute: Uppercase Letters



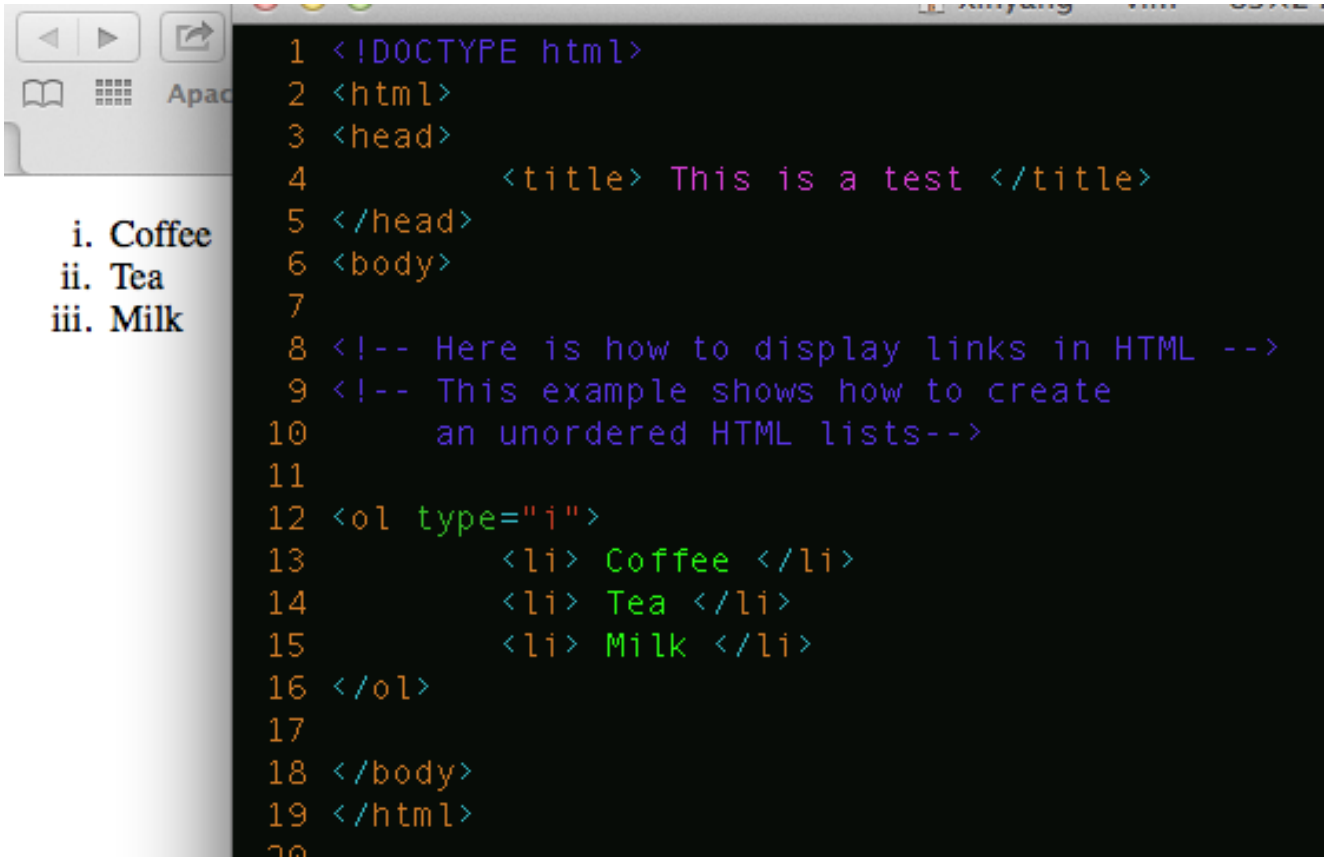
Ordered HTML Lists - The Type Attribute: Lowercase Letters



Ordered HTML Lists - The Type Attribute: Uppercase Roman Numbers



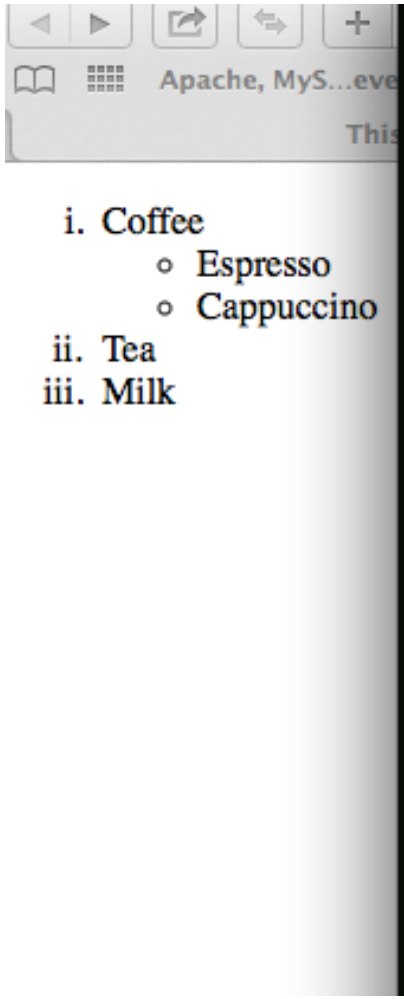
Ordered HTML Lists - The Type Attribute: Lowercase Roman Numbers



i. Coffee
ii. Tea
iii. Milk

```
<!DOCTYPE html>
<html>
<head>
        <title> This is a test </title>
</head>
<body>

<!-- Here is how to display links in HTML -->
<!-- This example shows how to create
     an unordered HTML lists-->

<ol type="i">
        <li> Coffee </li>
        <li> Tea </li>
        <li> Milk </li>
</ol>

</body>
</html>
```

Nested HTML Lists



i. Coffee
   - Espresso
   - Cappuccino

ii. Tea

iii. Milk

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4          <title> This is a test </title>
5  </head>
6  <body>
7
8  <!-- Here is how to display links in HTML -->
9  <!-- This example shows how to create
10      an unordered HTML lists-->
11
12 <ol type="i">
13         <li> Coffee </li>
14                 <ul>
15                         <li> Espresso </li>
16                         <li> Cappuccino </li>
17                 </ul>
18         <li> Tea </li>
19         <li> Milk </li>
20 </ol>
21
22 </body>
23 </html>
```

References

1 http://www.w3schools.com