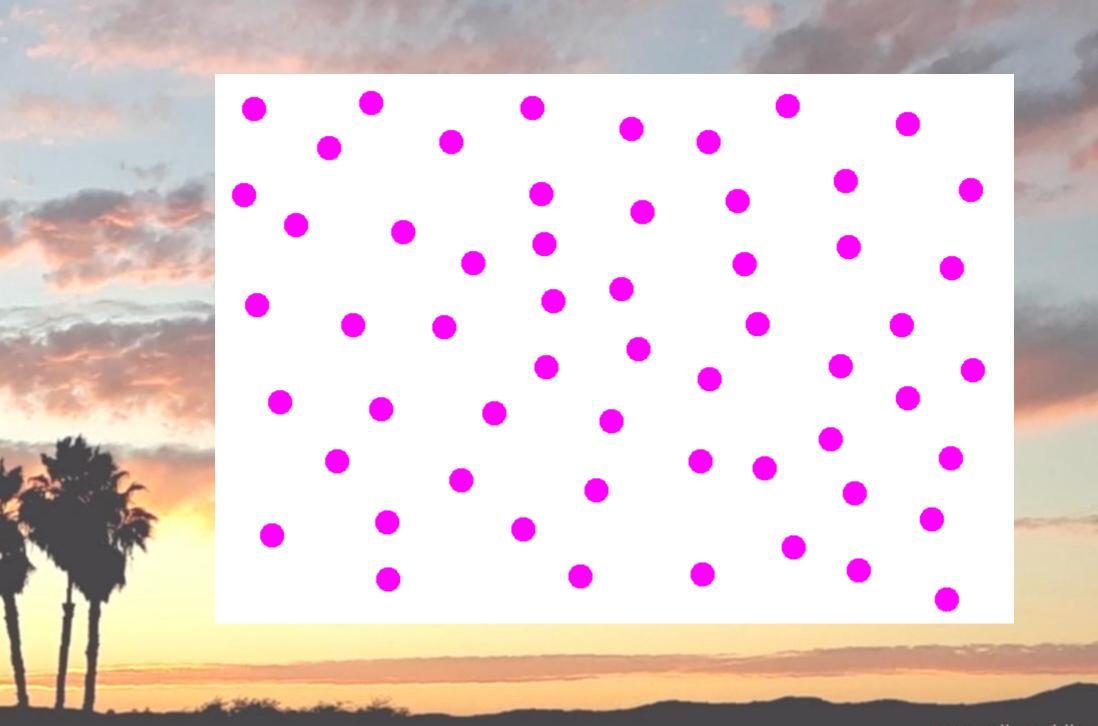
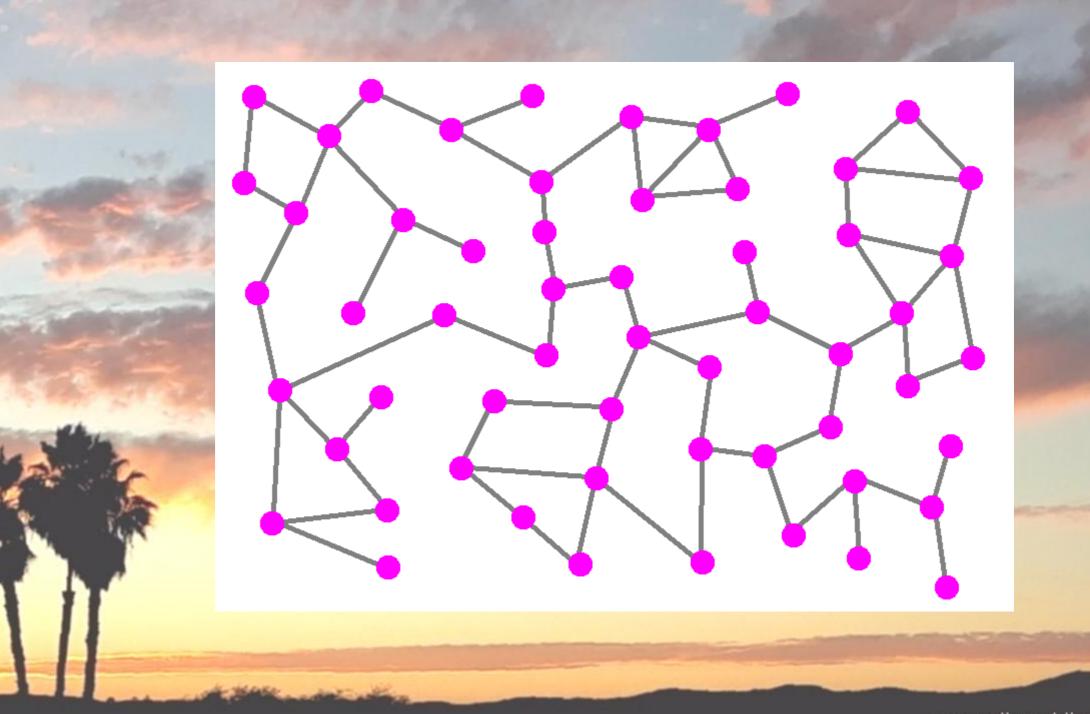


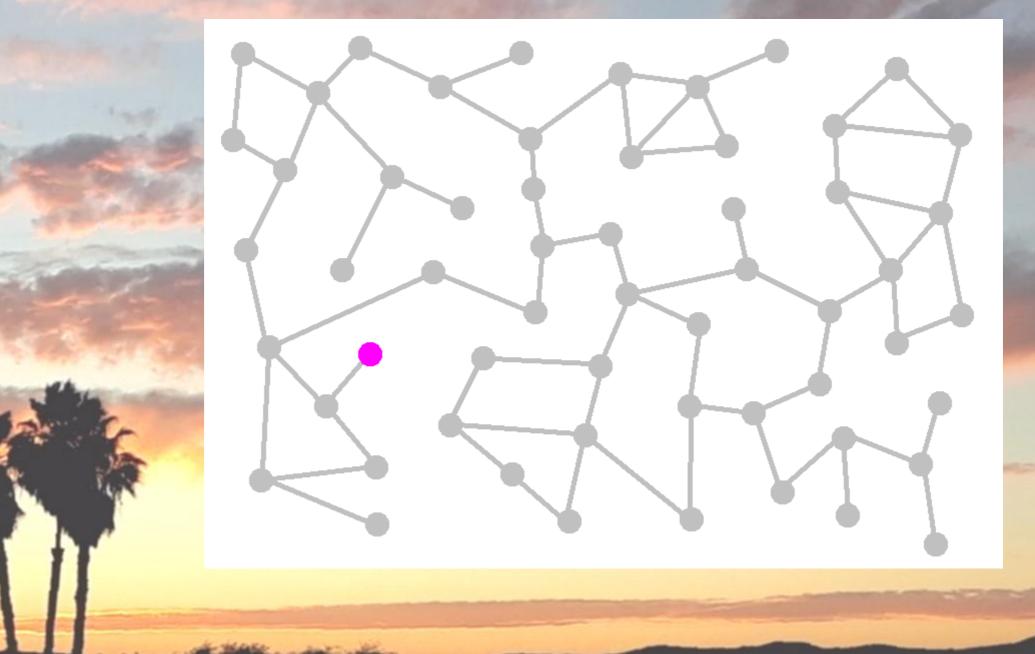
The Internet is Millions of Computers ...



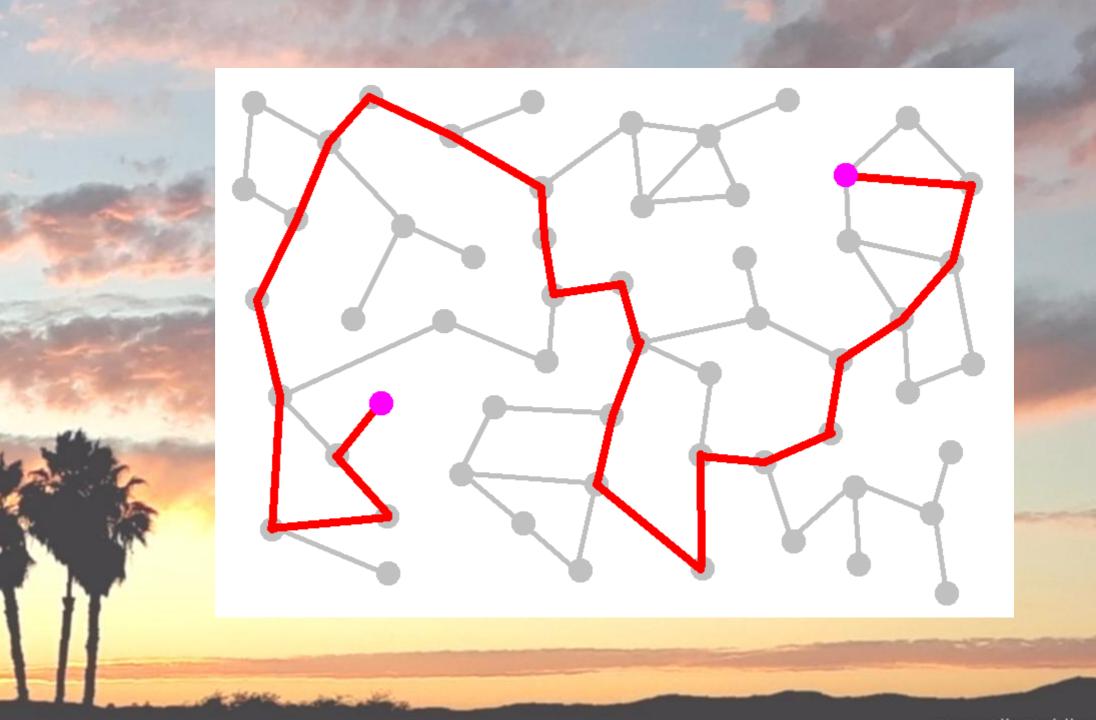
... All Connected Together



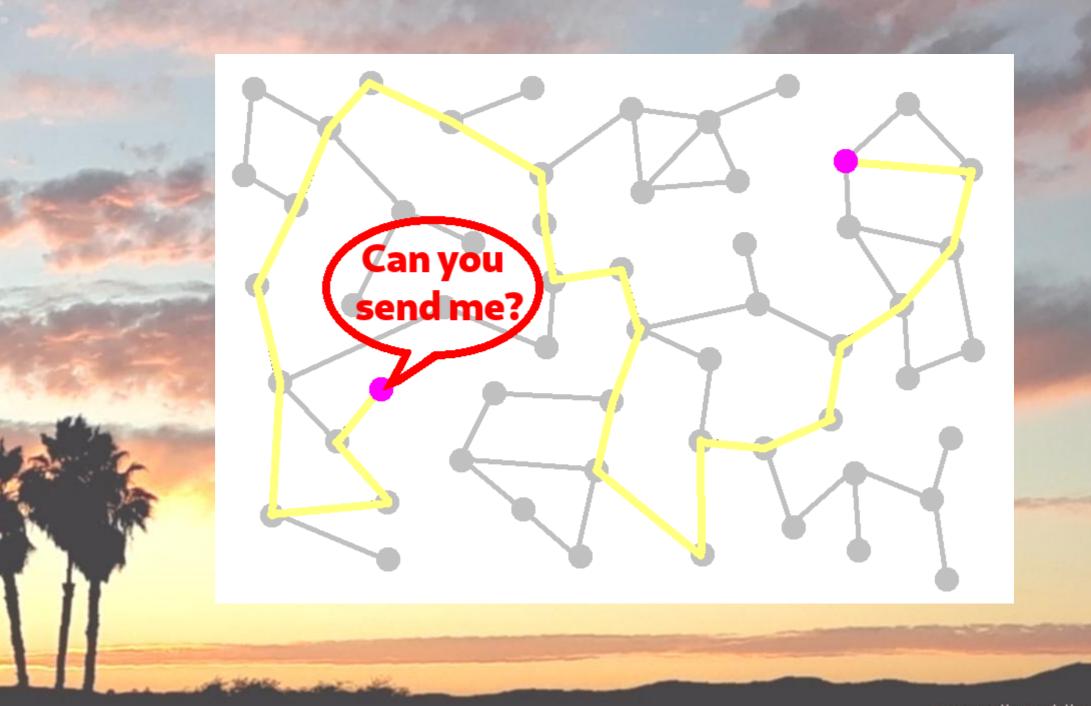
Any computer in the network ...



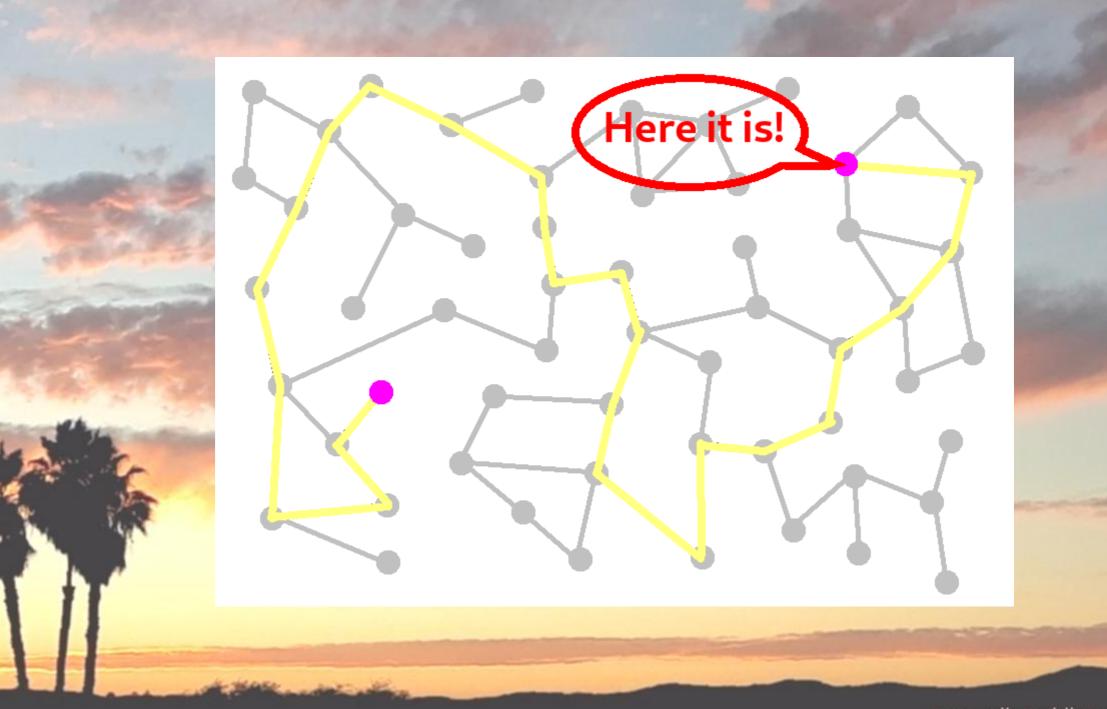
... can talk to any other computer.



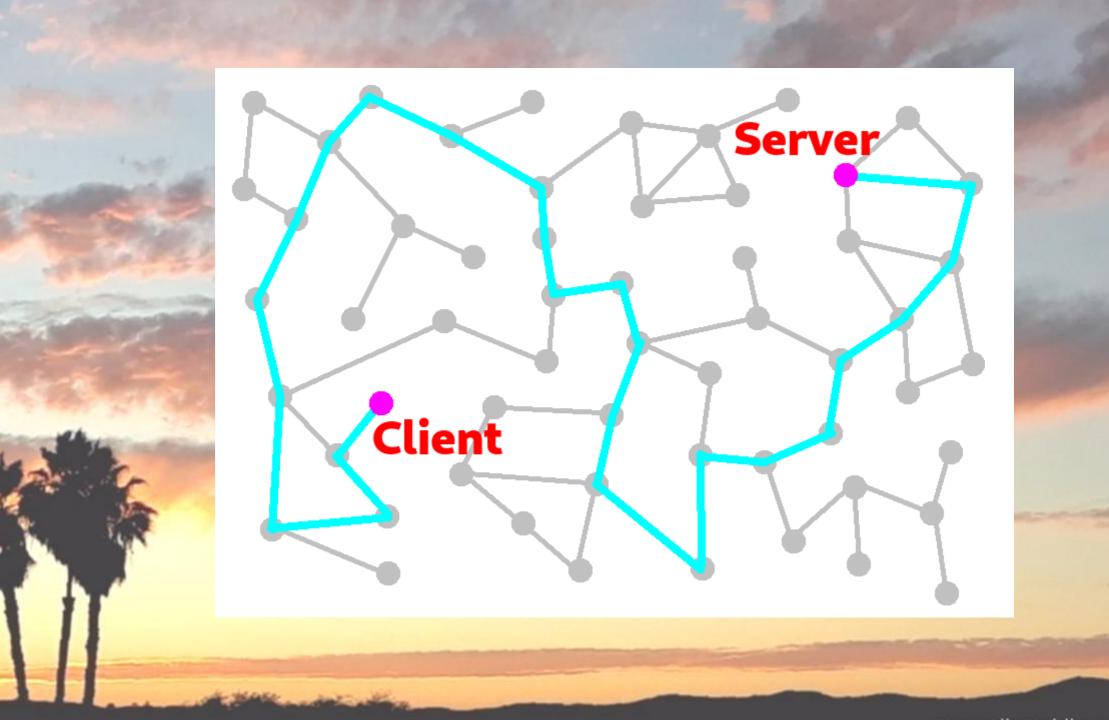
The asking computer is a "client".



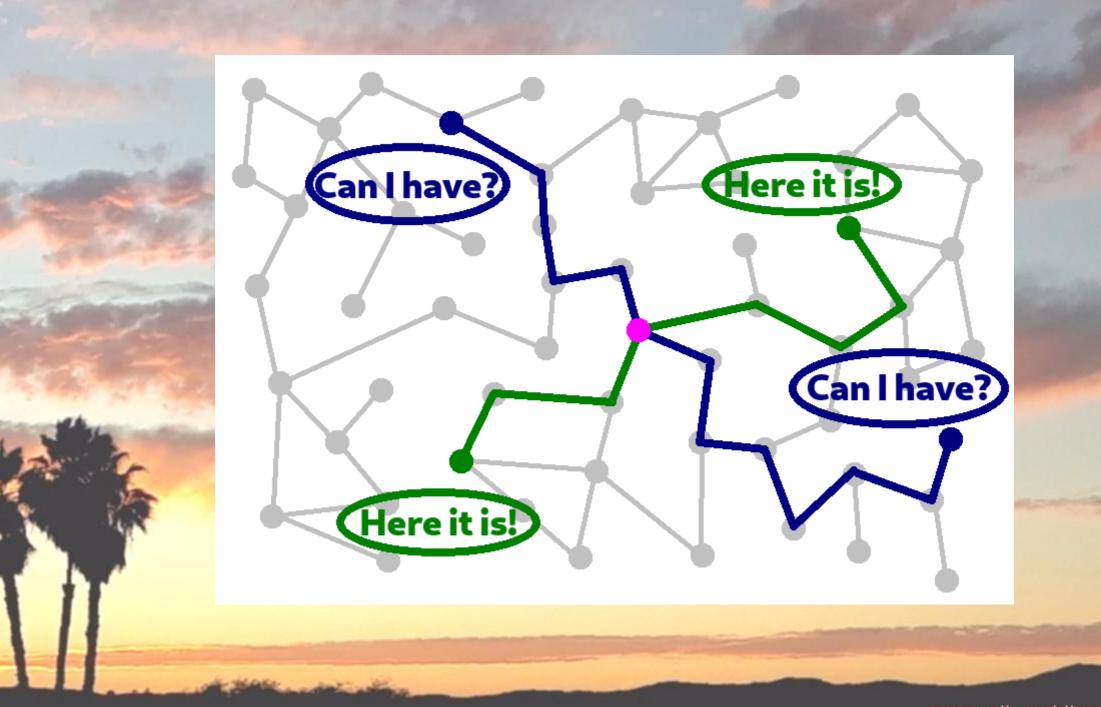
The answering computer is a "server".



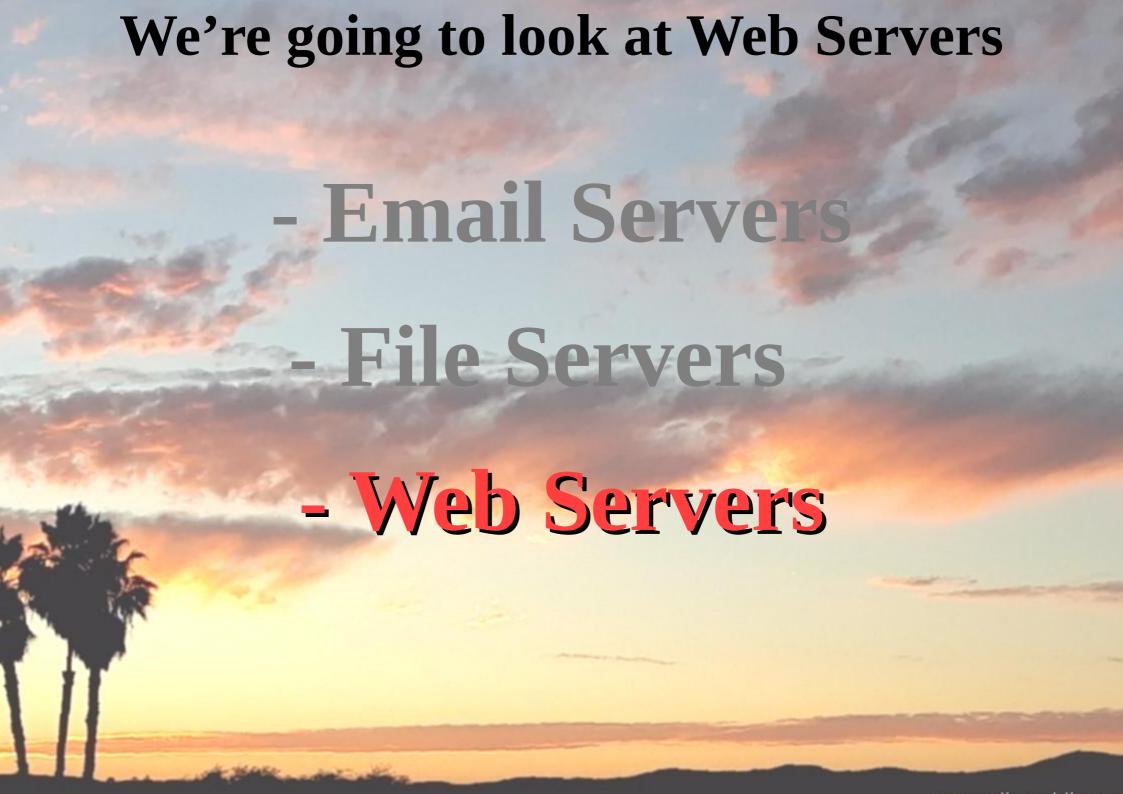
This is called a Client/Server relationship:



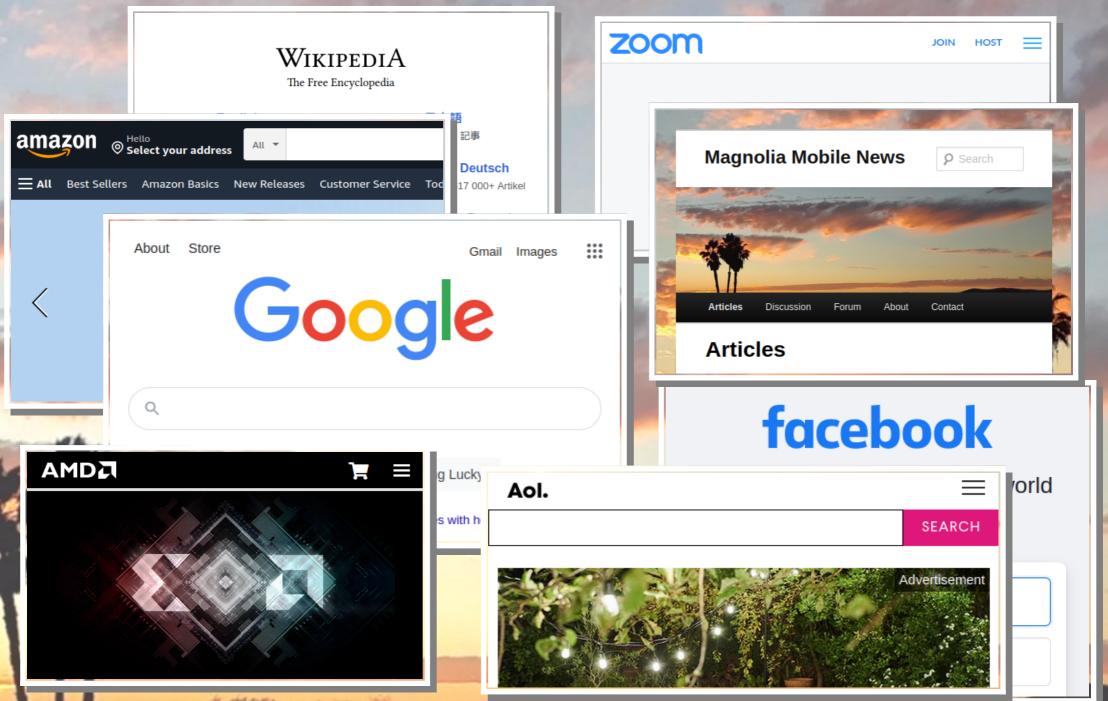
Computers can be both client and server



Many different kinds of "servers" - Email Servers - File Servers - Web Servers



A "Web Server" serves "Web Pages"



So ... what is a "Web Page"?

WikipediA

The Free Encyclopedia

English

6 383 000+ articles

日本語

1 292 000+ 記事

Русский

1 756 000+ статей

Español

1 717 000+ articulos

中文

1 231 000+ 條目



Deutsch

2 617 000+ Artikel

Français

2 362 000+ articles

Italiano

1 718 000+ voci

Polski

1 490 000+ haseł

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1 074 000+ artigos

```
<!DOCTYPE html>
<html lang="en" class="no-js">
<meta charset="utf-8">
<title>Wikipedia</title>
<meta name="description" content="Wikipedia is a free online encyclopedia, create</pre>
document.documentElement.className = document.documentElement.className.replace(
</script>
<meta name="viewport" content="initial-scale=1,user-scalable=yes">
<link rel="apple-touch-icon" href="/static/apple-touch/wikipedia.png">
<link rel="shortcut icon" href="/static/favicon/wikipedia.ico">
<link rel="license" href="//creativecommons.org/licenses/by-sa/3.0/">
.sprite{background-image:linear-gradient(transparent,transparent),url(portal/wiki
<style>
html{font-family:sans-serif;-ms-text-size-adjust:100%;-webkit-text-size-adjust:10
<link rel="preconnect" href="//upload.wikimedia.org">
<body id="www-wikipedia-org">
<div class="central-textlogo">
<imq class="central-featured-logo" src="portal/wikipedia.org/assets/img/Wikipedia</pre>
<h1 class="central-textlogo-wrapper">
<span class="central-textlogo image sprite svg-Wikipedia wordmark">
Wikipedia
<strong class="jsl10n localized-slogan" data-jsl10n="portal.slogan">The Free Ency
</h1>
</div>
<div class="central-featured" data-el-section="primary links">
```

(from "View Page Source")

It's Hyper Text Markup Language (HTML)

Let's look at a web page a little closer ...





```
<!DOCTYPE html>
<html ...>
<head>
</head>
<body ...>
<h1 ...>
<span ...>
Wikipedia
</span>
<strong ...>The Free Encyclopedia</strong>
</h1>
<strong>English</strong>
<strong>日本語</strong>
<strong>Deutsch</strong>
<strong>Español</strong>
<strong>Francais</strong>
<strong>中文</strong>
<strong>Italiano</strong>
<strong>Polski</strong>
<strong>Português</strong>
</body>
</html>
```

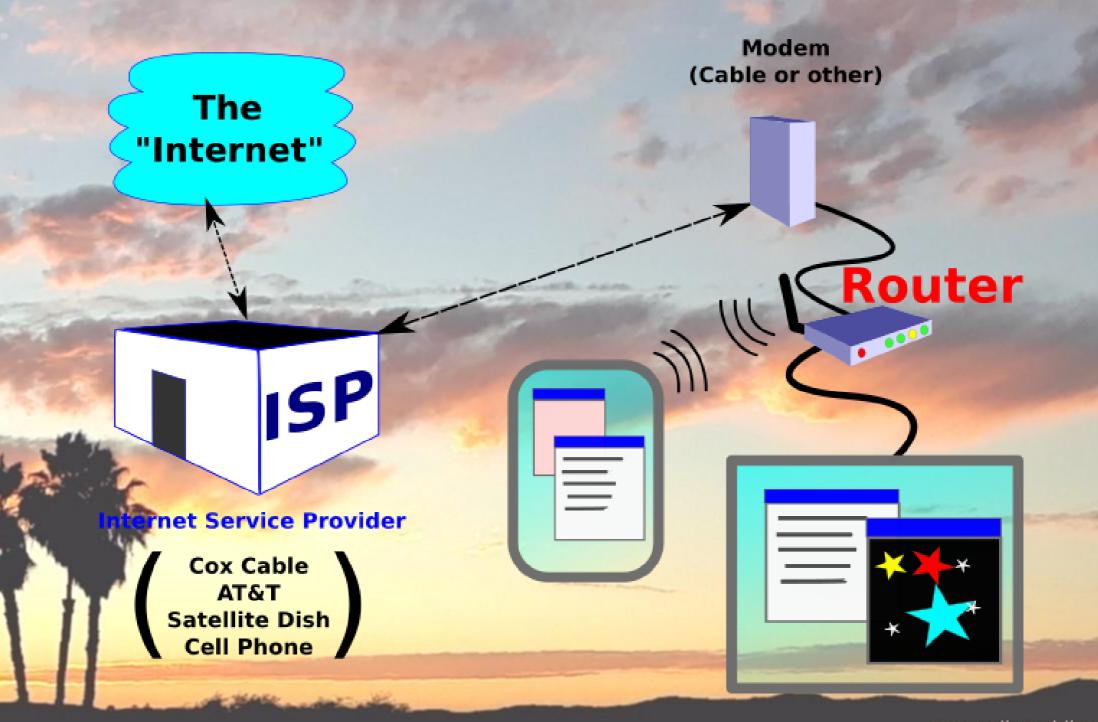
Let's look at a web page a little closer ...

```
<!DOCTYPE html>
<html ...>
<head>
</head>
<body ...>
<h1 ...>
<span ...>
Wikipedia
</span>
<strong ...>The Free Encyclopedia</strong>
</h1>
<strong>English</strong>
<strong>日本語</strong>
<strong>Deutsch</strong>
<strong>Español</strong>
<strong>Français</strong>
<strong>中文</strong>
<strong>Italiano</strong>
<strong>Polski</strong>
<strong>Português</strong>
</body>
</html>
```

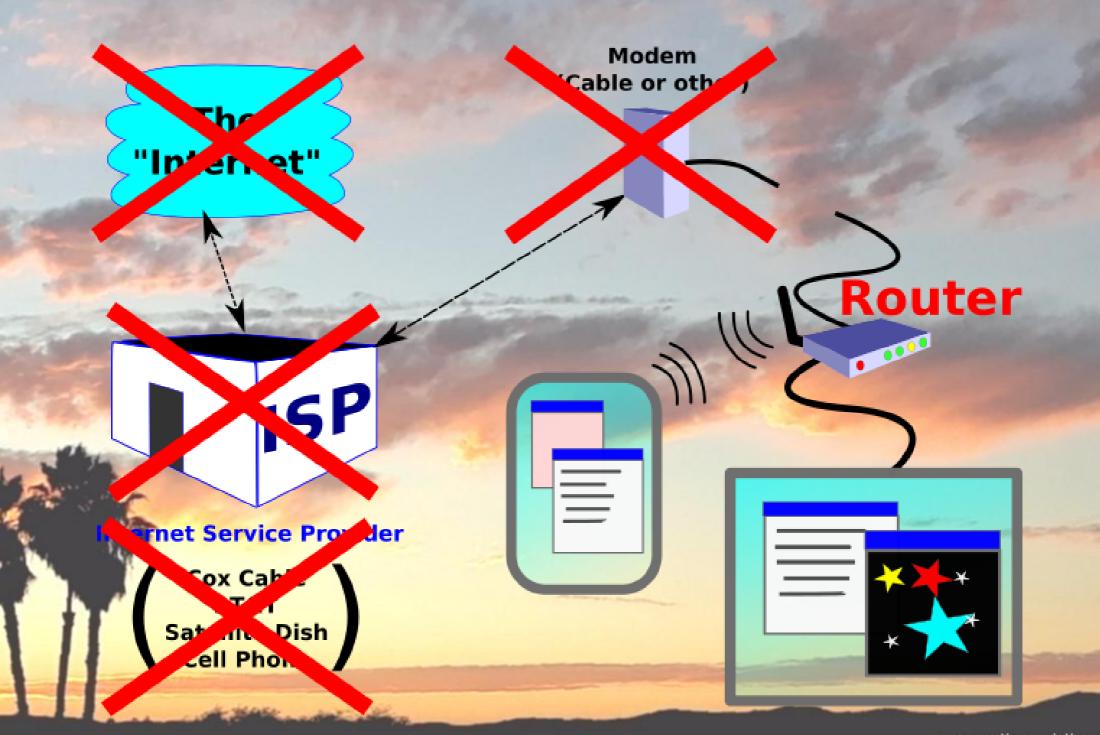
The HTML (left) is sent by the web server to the browser (client) which shows you this:



Typical Home Computer (Client Only)



We don't need most of that stuff.



We'll just need one router and Five Client/Server Computers named: Red Green Blue Yellow Brown

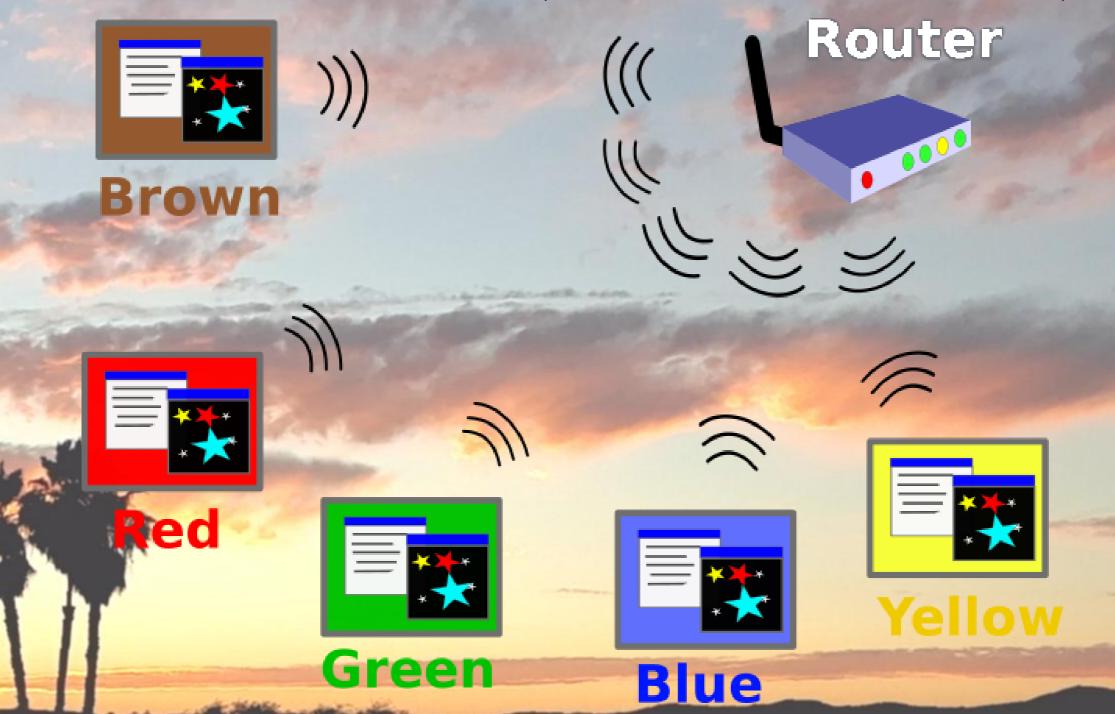
Each computer is a web <u>client</u>.

Each computer is a web <u>server</u>.

Each computer sees <u>all</u> other computers.

Here's what it looks like ...

MMCC "Internet" (no outside connections)



Every computer will have and serve its own web pages.

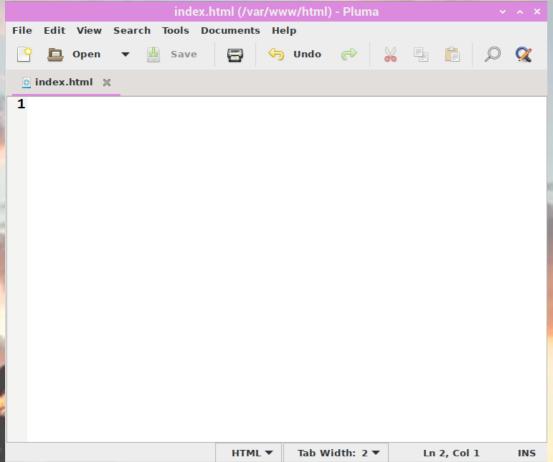
Every computer will be able to see all of the other web pages.

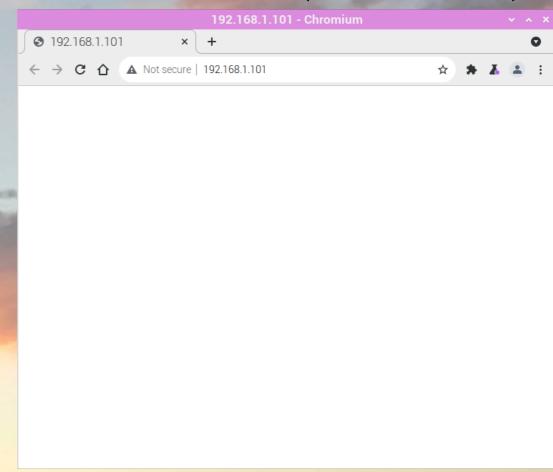


Let's get started!!

You should see two blank open windows

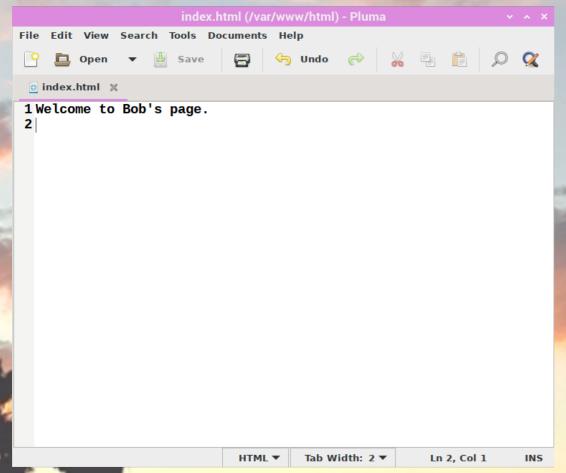
Editor (Pluma)

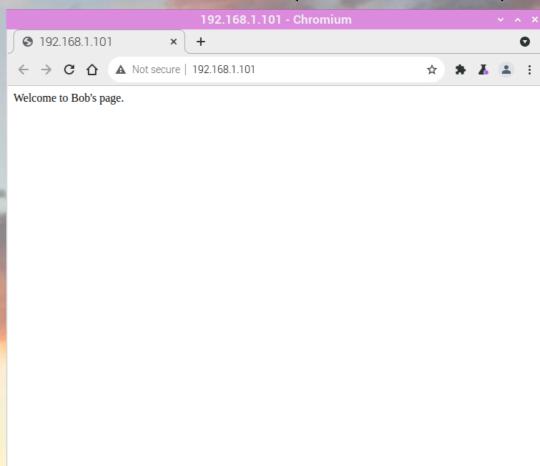




Start by typing a greeting for your page

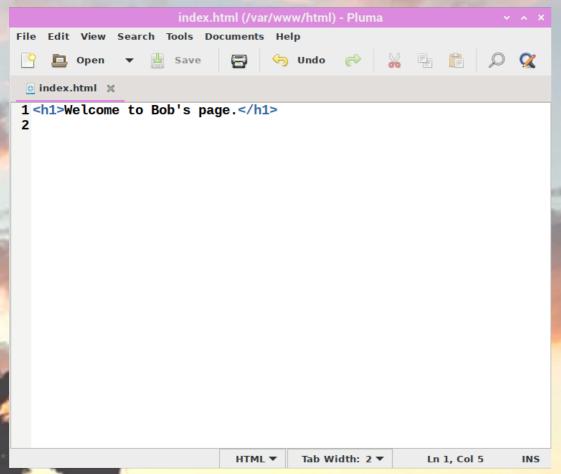
Editor (Pluma)

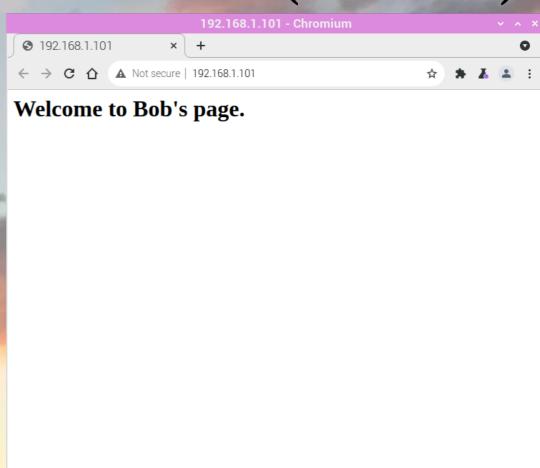




Add the Heading 1 tags <h1> and </h1>

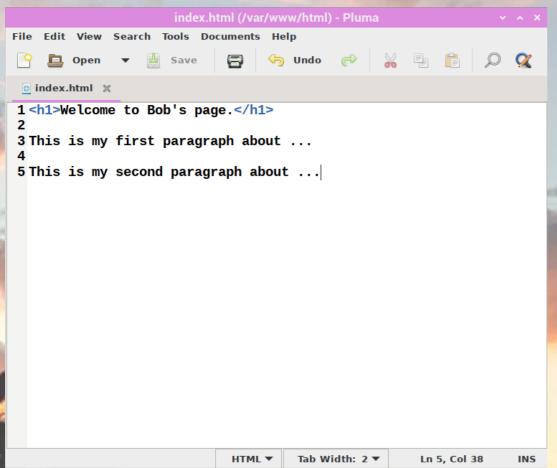
Editor (Pluma)

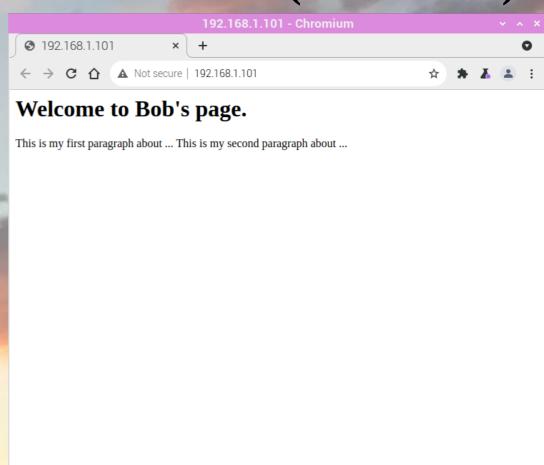




Add a second paragraph. What happened?

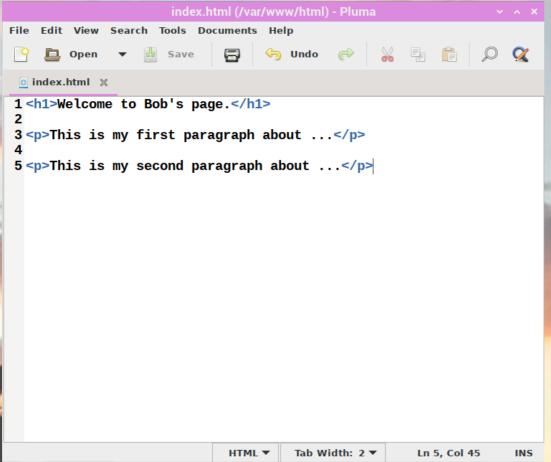
Editor (Pluma)

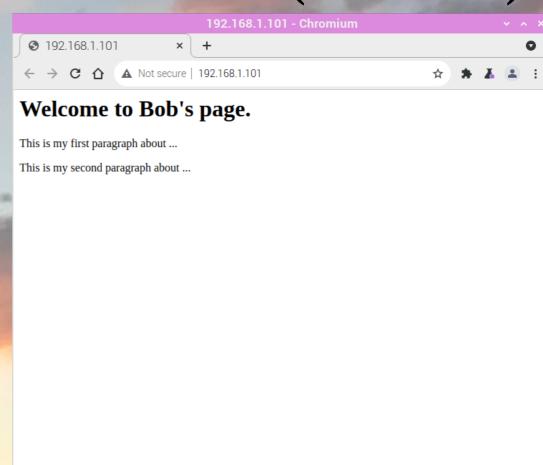




Use Paragraph tags and

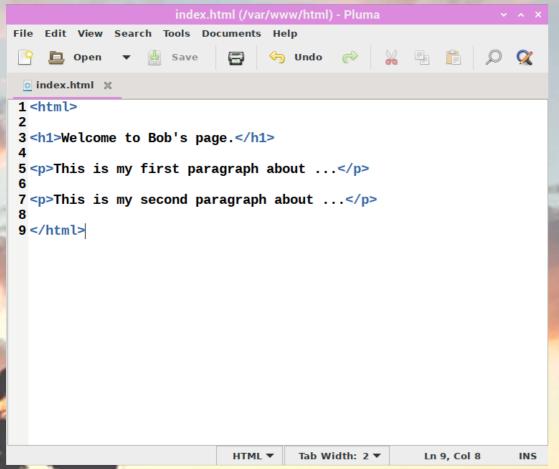
Editor (Pluma)

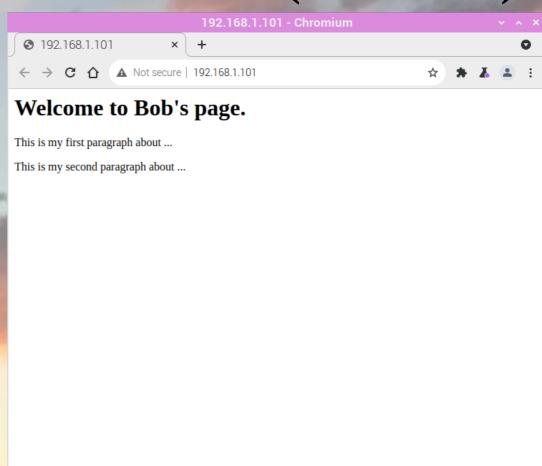




Add the <html> and </html> tags

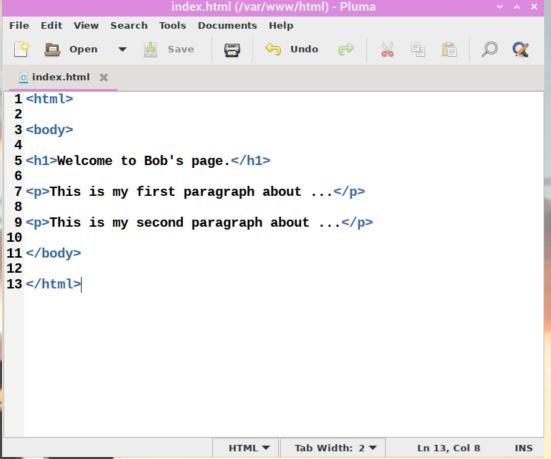
Editor (Pluma)

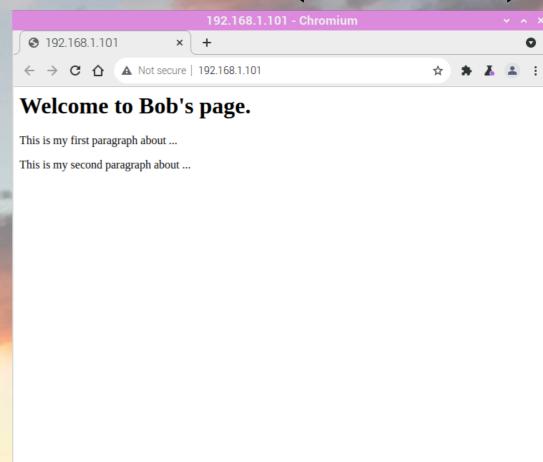




Add the <body> and </body> tags

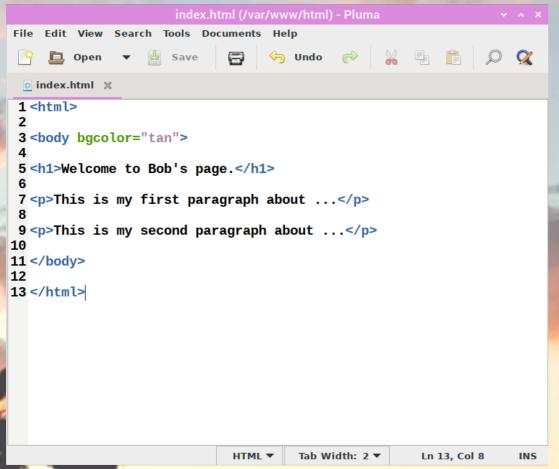
Editor (Pluma)

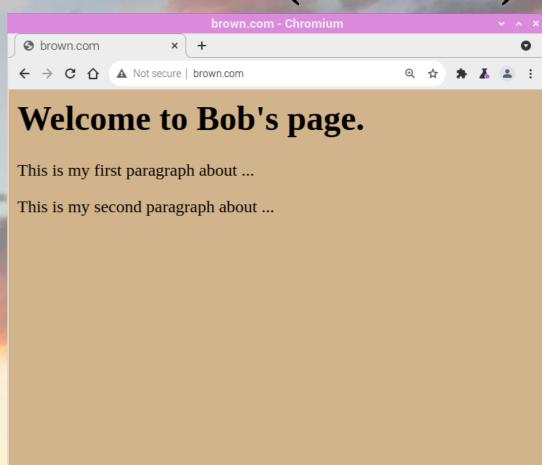




Add a background color to the <body> tag

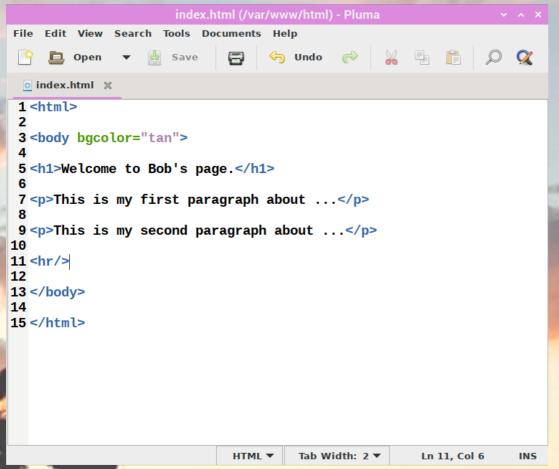
Editor (Pluma)

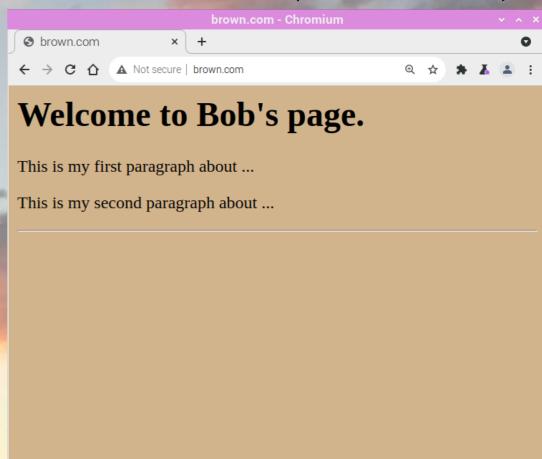




Add a Horizontal Rule tag: <hr/>

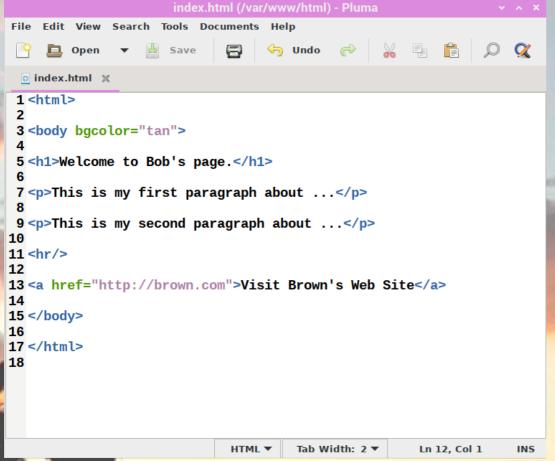
Editor (Pluma)



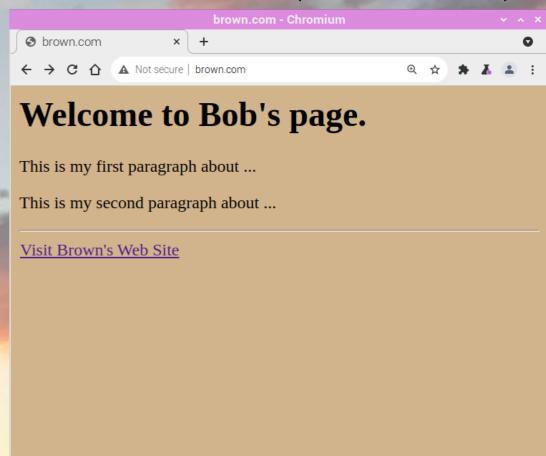


Add a link with tags

Editor (Pluma)

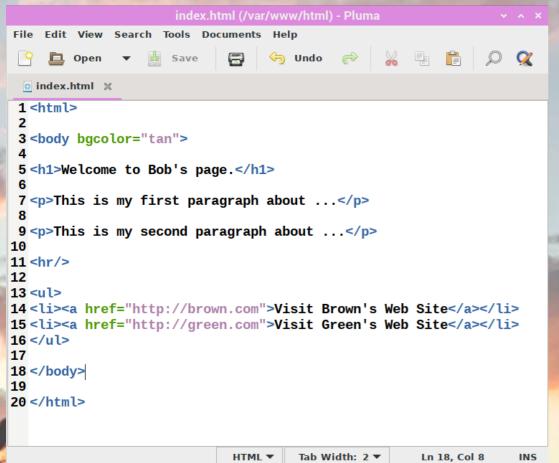


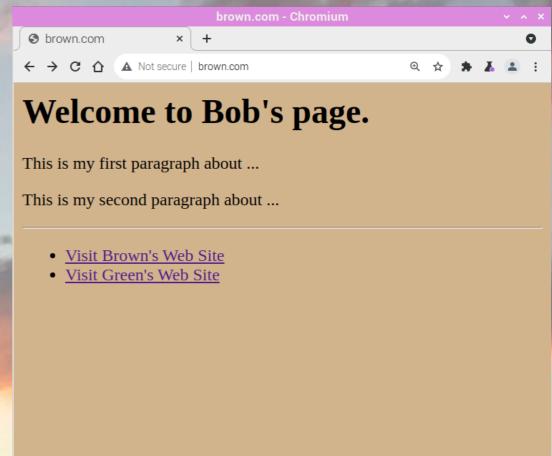
Web Browser (Chromium)



Click on the link!!

Use an "unordered list" with "list items" Editor (Pluma) Web Browser (Chromium)

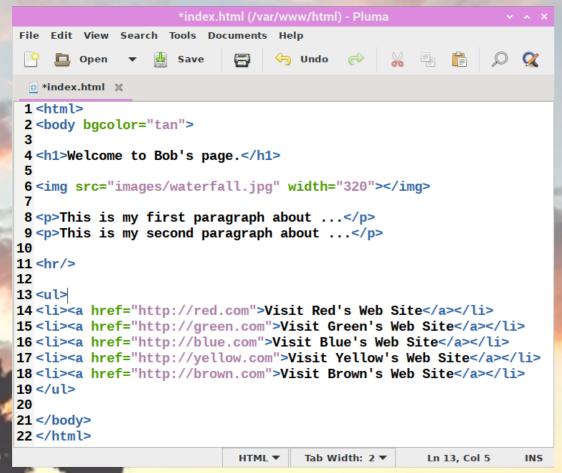




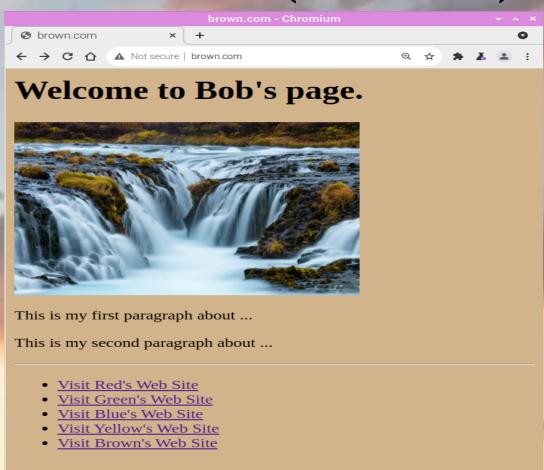
<u>Unordered Lists start with and end with .</u> Each <u>List Item in any list starts with and ends with . <u>Ordered Lists use and .</u></u>

Add an image and links for all web sites

Editor (Pluma)



Web Browser (Chromium)



The tag specifies an image with the "src=" parameter. The width can similarly be set with the "width" parameter.

Conclusion

Building web pages is relatively easy. Web pages are mostly plain text with various tags to add additional "mark up" features. The tags can control the appearance and can also specify links or images.

Have fun!!