

SC: Module1-How the we... x | karthika | IIIT-MSIT-2015 x | Sowjanya

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Introduction to the web
World Wide Web
Quiz explanation
File types
Quiz explanation
Components of the web
Quiz explanation
HTML Basics
Intro to HTML tags
Bold tag
Italics
Missing end tag
Quiz explanation
Making links

Enter the HTML to draw the following text using two lines and the
 tag

Hello everyone!

We are using two lines now!

Your answer

Hello everyone!

We are using two lines now!

Submit

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Quiz explanation
Making links

1 this text is really too long one line
2

this text is really too long one line

00:32 02:25

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Module1-How the web works

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Module1-How the web works

Inline vs Block

```
1 this text
2
3
4
5 is really too long one line
6
```

this text is really too long one line



00:40 02:25

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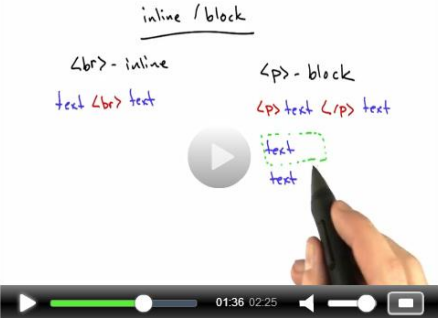
Module1-How the web works

Inline vs Block

inline / block

 - inline
text
 text

<p> - block
<p> text </p> text



01:36 02:25

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Source Content

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Span and div

```
1 <span>this is one line</span>
2
3 yep, one line
4
```

1

this is one line yep, one line

UPDATE

Click here to attempt quiz

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Source Content

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Span and div

```
1 <div>this is one line</div>
2
3 yep, one line
4
```

1

this is one line
yep, one line

01:20 01:50

Click here to attempt quiz

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Quiz explanation

Quiz

check all the elements that are inline.

☒ a ☐ p
☐ div ☒ my
☒ span ☒ strong
☒ br ☐ form

00:24 00:31

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Document structure

HTML documents

`<!DOCTYPE HTML>` - doctype
`<html>` - html
`<head>`
`<title>Title!</title>` - title
`</head>`
`<body>`
` content `
`</body>`
`</html>`

head meta-data CSS
body

01:51 02:38

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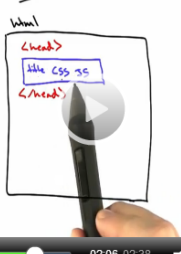
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URLs

Uniform Resource Locator

http://www.udacity.com/
Protocol Host Path

Quiz

Given the protocol **ftp**, the host **www.udacity.com**, and the path **/about**, what is the url?

ftp://www.udacity.com/about

URLs

Query Parameters (GET parameters)

`http://example.com/foo?p=1&q=neat`

Name = value

Quiz

In the following URL, what is the value of the **z** parameter?

`http://example.com/foo?p=foo&z=p`

P

URLs

Press Esc to exit full screen mode.

`http://www.example.com/foo` #fragment



URLs

`http://www.example.com/foo` #fragment

`http://example.com/foo?p=1` #fragment



URLs

Press Esc to exit full screen mode.

`http://localhost:8000/`

port - default = 80

Quiz

Identify the different parts of this URL:

`http://example.com:80/toys?p=foo#blah`

host	<code>example.com</code>
protocol	<code>http</code>
fragment	<code>#blah</code>
query	<code>?p=foo</code>
port	<code>80</code>

HTTP

HyperText Transfer Protocol

http://www.example.com/foo

GET /foo HTTP/1.1 - request line
method path version
1.1 or 1.0
GET
POST

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Module1-How the web works

Give the following URL
http://example.com/foo/logo.png?p=1#tricky

What is the request line to GET this URL using HTTP/1.1?

- ☒ GET/foo/logo.png?p=1 HTTP/1.1
- ☐ logo.png/GET/foo?p=1 HTTP/1.1
- ☐ GET/logo.png/foo?p=1 HTTP/1.1

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Windows taskbar: 16:21, 02-05-2016, 77% battery

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Module1-How the web works

Give the following URL
`http://example.com/foo/logo.png?p=1#tricky`

What is the request line to GET this URL using HTTP/1.1?

- ☒ GET/foo/logo.png?p=1 HTTP/1.1
- ☐ logo.png/GET/foo?p=1 HTTP/1.1
- ☐ GET/logo.png/foo?p=1 HTTP/1.1

Submit

Windows taskbar: 16:21 02-05-2016

Quiz

Press Esc to exit full screen mode.

which **method** is most often used
for requesting a document from the
server?

GET



Quiz

Press Esc to exit full screen mode.

Which **method** is most often used for requesting a document from the server?

GET

POST - send data to the server



00:14 00:17

HTTP Request

Press Esc to exit full screen mode.

GET /foo?p=1 HTTP/1.1

Host: www.example.com

User-Agent: chrome v.17

Headers:

Name: **value**



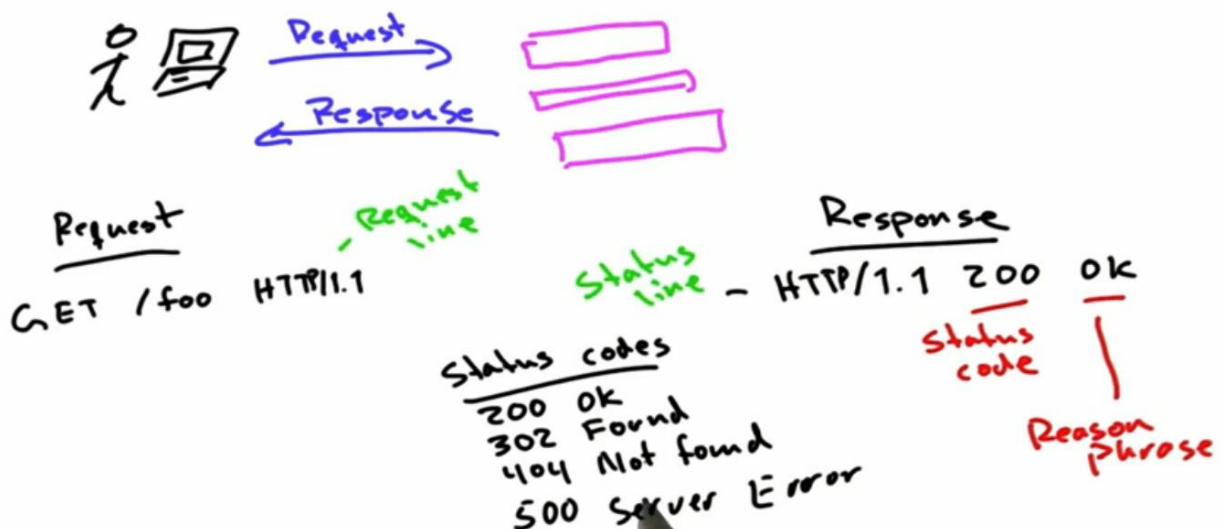
01:18 01:22

Quiz

which of these are valid headers?

- ☐ User Agent: Chrome
- ☒ Host: www.hipmunk.com
- ☐ host www.example.com
- ☒ User-Agent: ignore me I'm a spammer.
- ☒ i-made-this-up: whatever

HTTP Responses



HTTP Response

Press Esc to exit full screen mode.


HTTP/1.1 200 OK

Date: Tue Mar 2012 04:33:33 GMT

Server: Apache/2.2.3

Content-Type: text/html;

Content-Length: 1539



01:43 04:00

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- Quiz explanation
- Making requests
- User agent header
- Quiz explanation
- HTTP Responses
- Response headers
- Web applications
- Quiz explanation

Module1-How the web works

Response headers



02:28 04:00

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Windows taskbar with icons for Internet Explorer, Firefox, Chrome, and various applications. System tray shows 93% battery, 17:08, and 02-05-2016.

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Module1-How the web works

Response headers



02:48 04:00

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Module1-How the web works

Response headers



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- Quiz explanation

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Module1-How the web works

Response headers



```
$ telnet www.udacity.com 80
Trying 74.125.127.121...
Connected to ghs-l.google.com.
Escape character is '\n'.
GET / HTTP/1.0
Host: www.udacity.com
```

02:48 04:00

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Quiz

Which of these requests is for **dynamic** content?

- ☒ Your facebook page
- ☐ The udacity.com logo
- ☒ A blog's front page
- ☒ Google Search results



Quiz

Press Esc to exit full screen mode.

Enter the html for an input tag whose name parameter is q.

```
<input name="q">
```

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Module1-How the web works

Quiz explanation

Quiz

Enter the HTML to draw the following text using two lines and the <p> tag.

Hello everyone!
We're using two lines now!

```
<p>Hello everyone! </p>  
<p>We're using two lines now! </p>
```

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15:50 02-05-2016