

SC: Module2-Forms and input x karthika J. IIT-MSIT-2015 x play.html?p=asafs x Sowjanya

moodle2015.msitprogram.net/mod/lesson/view.php?id=1019&pageid=4269

MSIT Sowjanya IH201585050

LESSON MENU

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Module2-Forms and input

Quiz explanation

Quiz

Put some text in the input box in your browser and press enter. What happens?

- ☐ Nothing
- ☒ the URL changes with my text.
- ☐ an error message appears
- ☐ the text disappears

00:05 00:28

Click here to watch next video

Windows taskbar: 17:20 02-05-2016

Quiz

Press Esc to exit full screen mode.

Is clicking submit any different than pressing enter?

☐ yes ☒ no

00:04 00:32

SC: Module2-Forms an x karthika J IIIT-MSIT-2015 x play.html?p= x Sowjanya

moodle2015.msitprogram.net/mod/lesson/view.php?id=1019&pageid=4273

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Forms

- Quiz explanation
- Naming input
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NAVIGATION

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Action attribute

Form HTML

```
<form action="/foo">  
<input ...>  
<input ...>  
</form>
```

00:32 01:02

Click here to attempt quiz

Windows taskbar: 17:28 02-05-2016

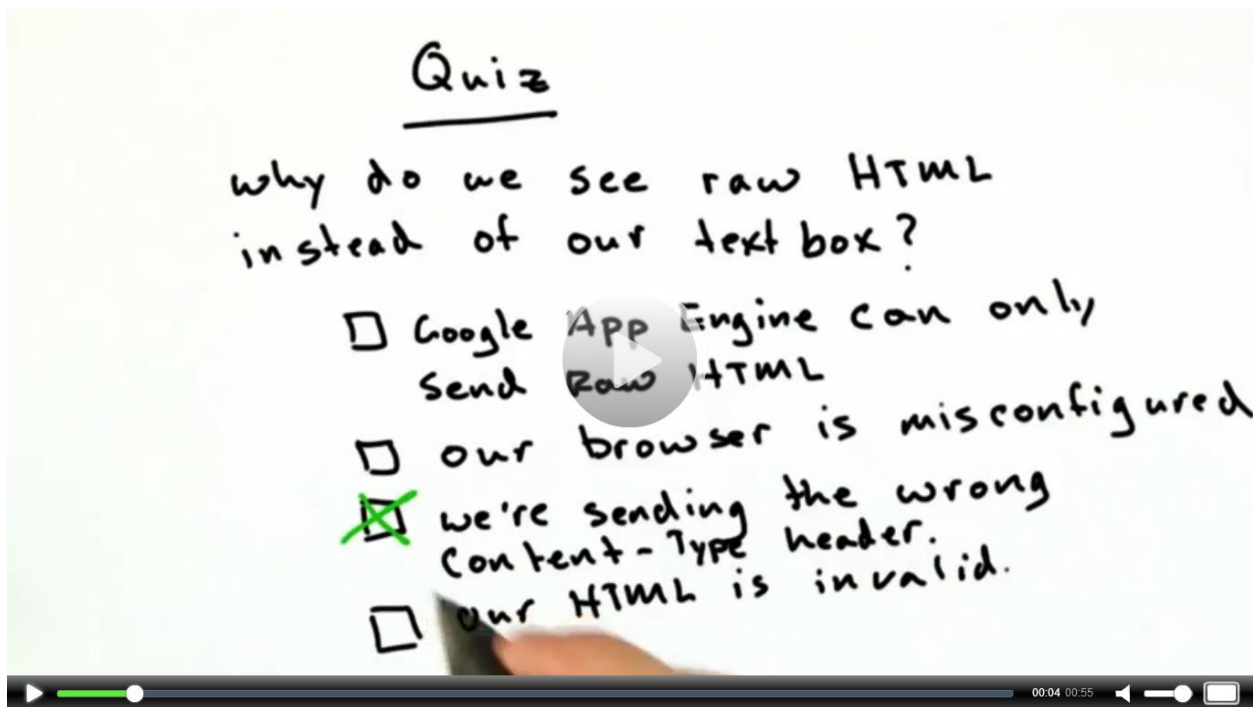
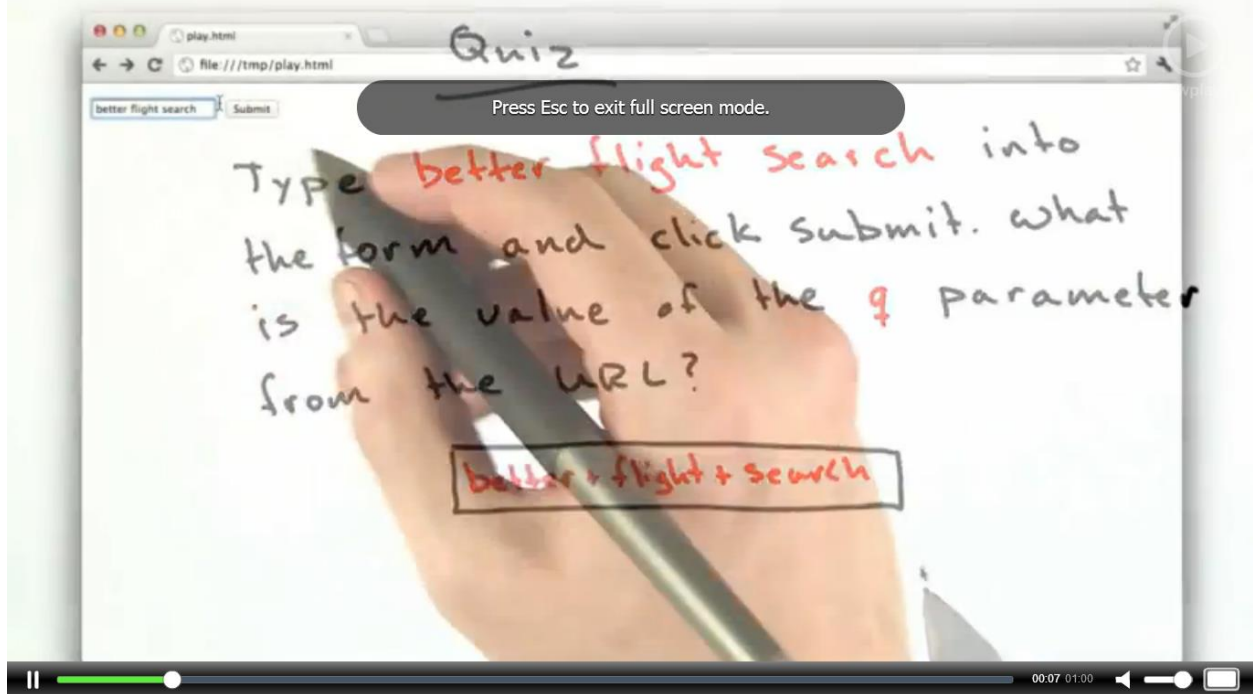
Quiz

Press Esc to exit full screen mode.

Add an **action** attribute to your `<form>` element whose value is **`http://www.google.com/search`**. click Submit. **what happens?**

- ☐ nothing
- ☐ the URL changes with what we entered
- ☒ my browser goes to Google search results
- ☐ I've written an entire search

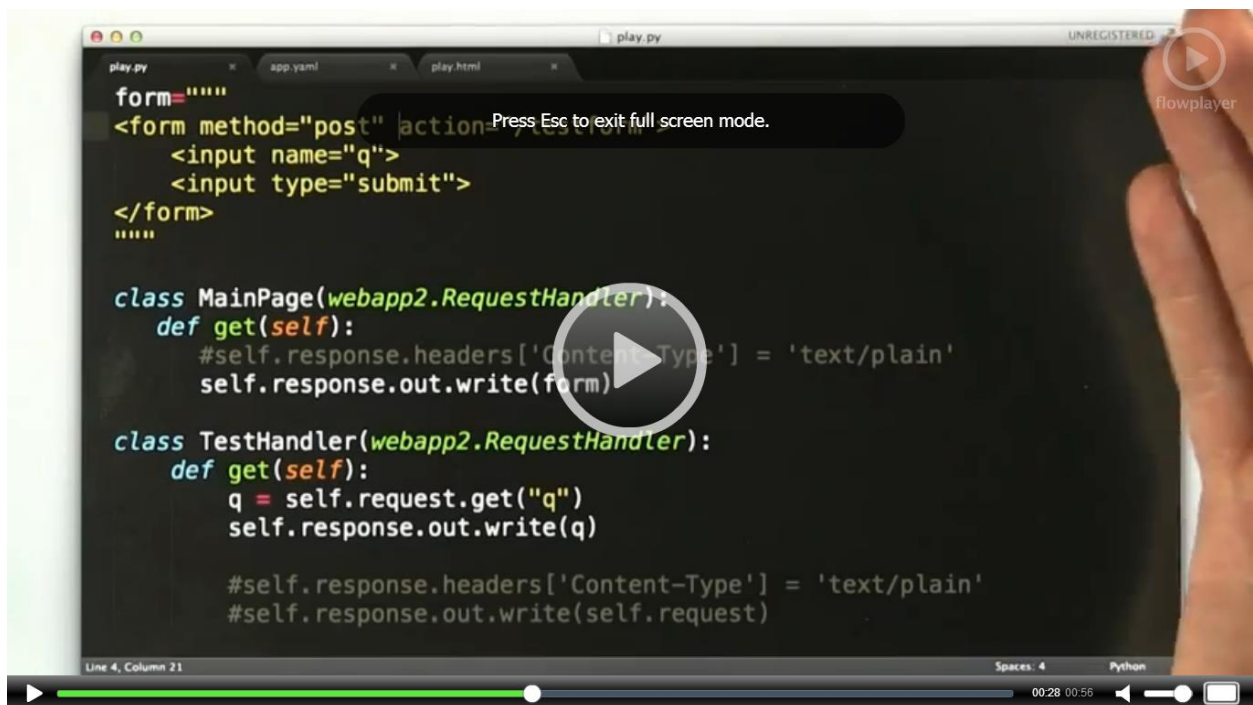
00:05 00:25



Quiz

what just happened?

- ☐ we see garbage
- ☒ we see the HTTP request
- ☐ we see a message from the future
- ☐ nothing changes

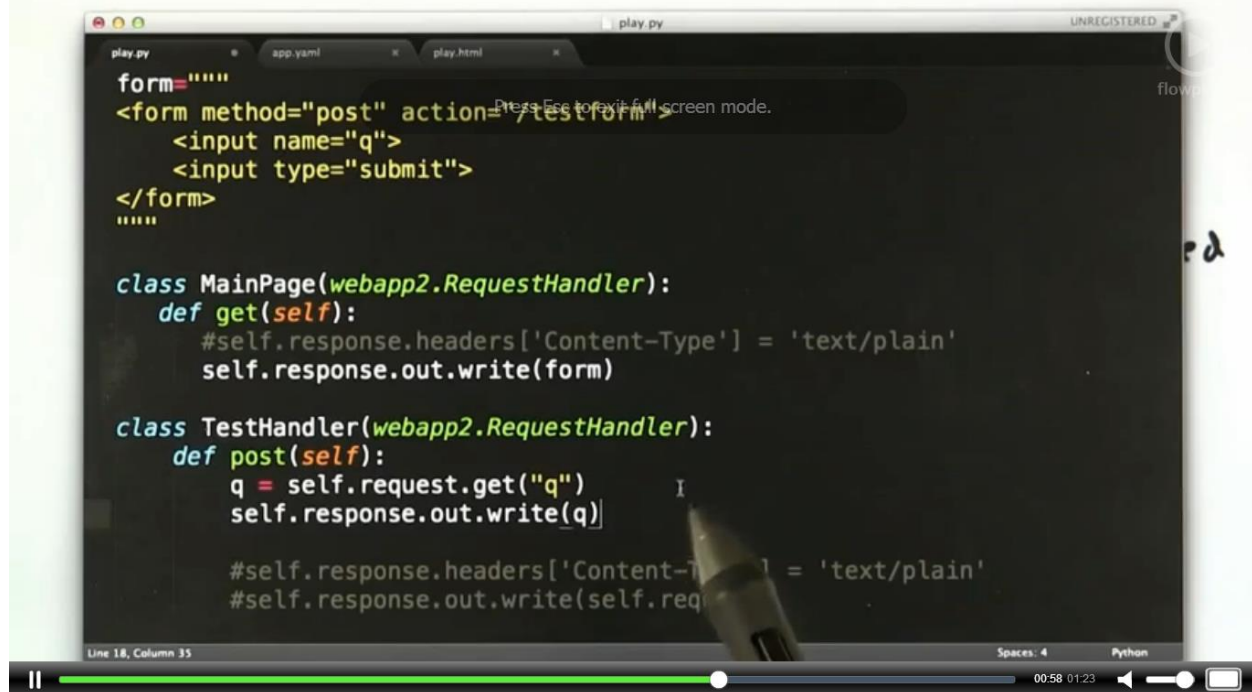
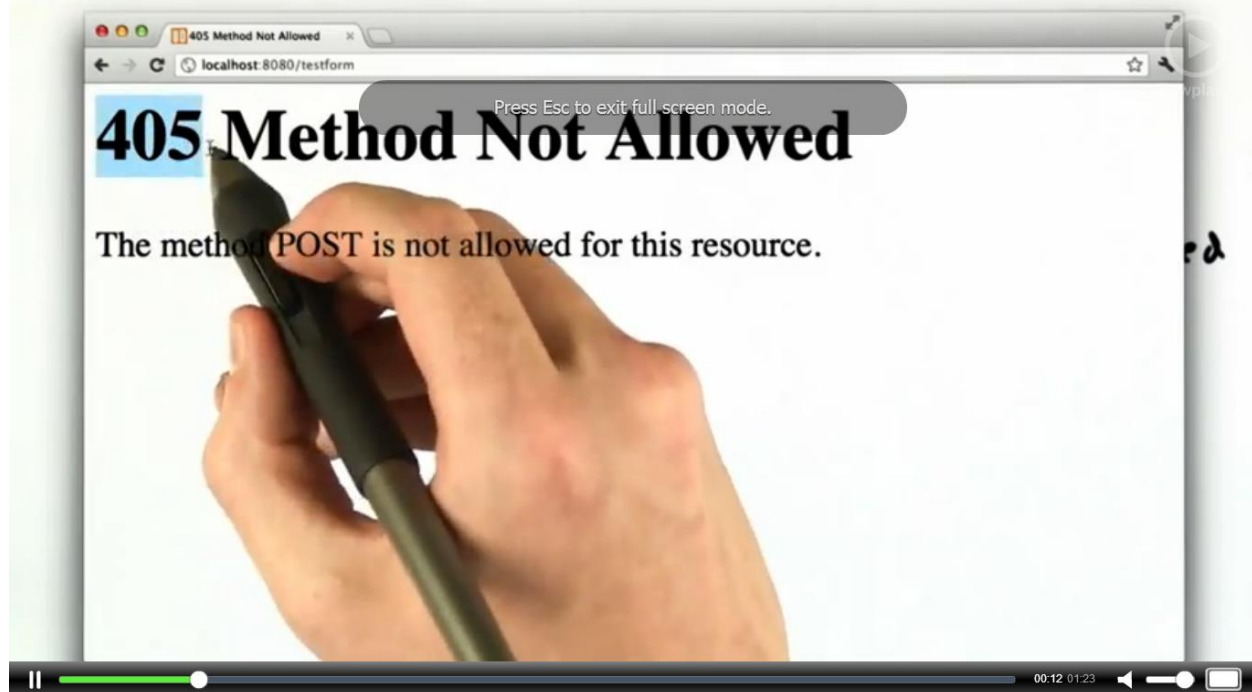


Quiz

Press Esc to exit full screen mode.

what happened?

- ☐ the text we entered was displayed
- ☒ an error was displayed
- ☐ the request headers were displayed
- ☐ ran a google search with our request.



Quiz

Press Esc to exit full screen mode.

Where did our **q** parameter go? (hint: look at the request)

- ☐ in the URL
- ☒ after the HTTP request headers
- ☐ in a second request
- ☐ in the HTTP request headers

Get include parameter in the url

Post include data

GET vs. POST

Press Esc to exit full screen mode.

GET

- parameters in URL
- used for fetching documents
- maximum URL length
- OK to cache
- shouldn't change the server

POST

- parameters in body
- used for updating data
- no max length
- not OK to cache
- OK to change the server



02:29 02:30



Quiz

Press Esc to exit full screen mode.

Which of these are appropriate for GET requests?

- ☒ fetching a document
- ☐ updating data
- ☒ requests that can be cached
- ☐ sending a lot of data to the server



00:08 00:24



Quiz

Press Esc to exit full screen mode.

when we submit this form,
what is the value of the **q**
parameter in the URL?

- ☒ whatever I typed in the box
- ☐ the parameter won't appear at all
- ☐ hunter2

Password

Quiz

Press Esc to exit full screen mode.

what is the value of the **q**
parameter when I submit the
form with the checkbox **unchecked**?

- ☐ off
- ☒ the parameter doesn't appear at all
- ☐ the parameter is blank
- ☐ hunter2

Quiz

Press Esc to exit full screen mode.

when I select the first two checkboxes and click submit, what does the **query** section of the URL look like?

`q=on&r=on`

Quiz

which of these yields the "group" behavior from the radio buttons?

- ☐ give them all the same **id**
- ☒ give them all the same **name**
- ☐ give them all the same **group**
- ☐ include the **<input>**s in a **<group>** element

Quiz

Press Esc to exit full screen mode.

What is the value of the **q** parameter when the form is submitted with the **second** button selected?

two

```
<form>
  <label>
    One
    <input type="radio" name="q" value="one">
  </label>

  <label>
    Two
    <input type="radio" name="q" value="two">
  </label>

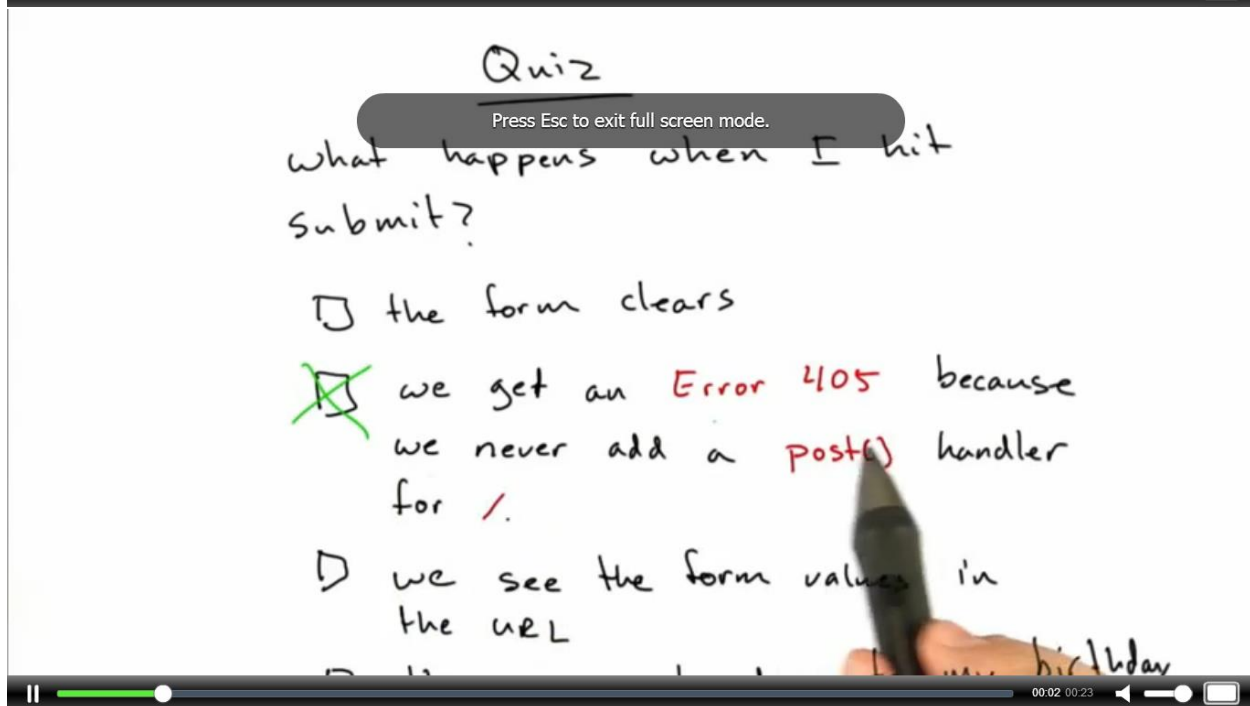
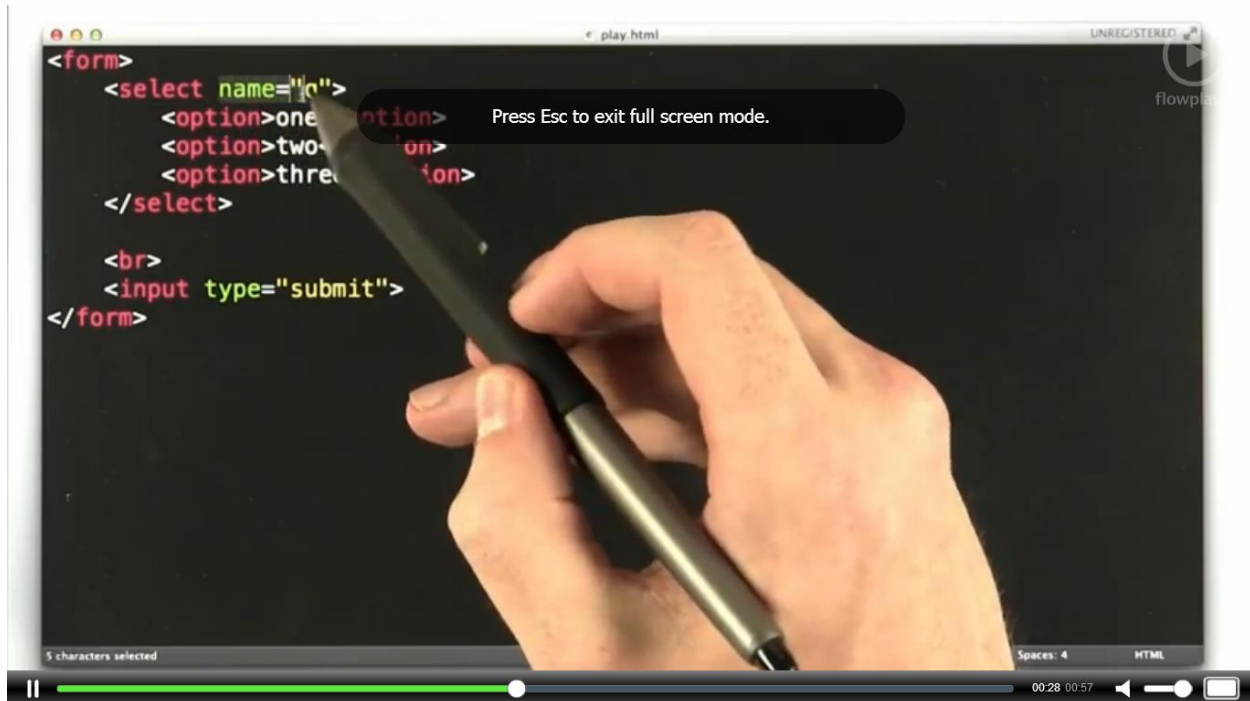
  <label>
    Three
    <input type="radio" name="q" value="three">
  </label>

  <br>
  <input type="submit">
</form>
```

Line 16, Column 5

Spaces: 4

HTML



Quiz

Press Esc to exit full screen mode.

when we select **two** from
the dropdown, what is the
value of the **q** parameter?

two

"/ "does not allow to post function

Quiz

Press Esc to exit full screen mode.

What are some possible solutions to users entering bad data into our form?

- ☒ use dropdowns to limit what the user can actually enter
- ☐ assume the users will only enter good data
- ☒ verify what the users enter and complain if the data is bad

Quiz

Press Esc to exit full screen mode.

Which of these is a correct `<input>` for preserving the user's month?

- ☐ `<input value = "%(month)s">`
- ☐ `<input name = "month"> %(month)s </input>`
- ☐ `<input name = "month">`
- ☒ `<input name = "month" value = "%(month)s">`

Quiz

Press Esc to exit full screen mode.

what will happen when I click submit?

- ☐ We see an error message, and our input is in the form
- ☒ We see an error message, but the quote messes up our HTML
- ☐ There's an error on the server side
- ☐ The page renders blank

||



00:02 00:46



Escaping

Press Esc to exit full screen mode.

`<input value="% (month)s ">`

`november`

`<input value="foo"> derp ">`

`foo "> derp`

`month = "november"`

`month = 'foo"> derp'`

`"` → `"`;
`>` → `>`;
`<` → `<`;
`&` → `&`;

||



01:08 01:10



Quiz

what is the correct way to include the text `&= & amp;` in rendered HTML?

`& amp;= & amp; amp;`

`& = & amp;`

Implement the function `escape_html(s)`, which replaces

all instances of:

`>` with `>`;

`<` with `<`;

`"` with `"`;

`&` with `&`;

and returns the escaped string

Note that your browser will probably automatically

render your escaped text as the corresponding symbols,

but the grading script will still correctly evaluate it.

#

```
def escape_html(s):
```

```
# print escape_html('>')
```

```
# print escape_html('<')
```

```
# print escape_html('"')
```

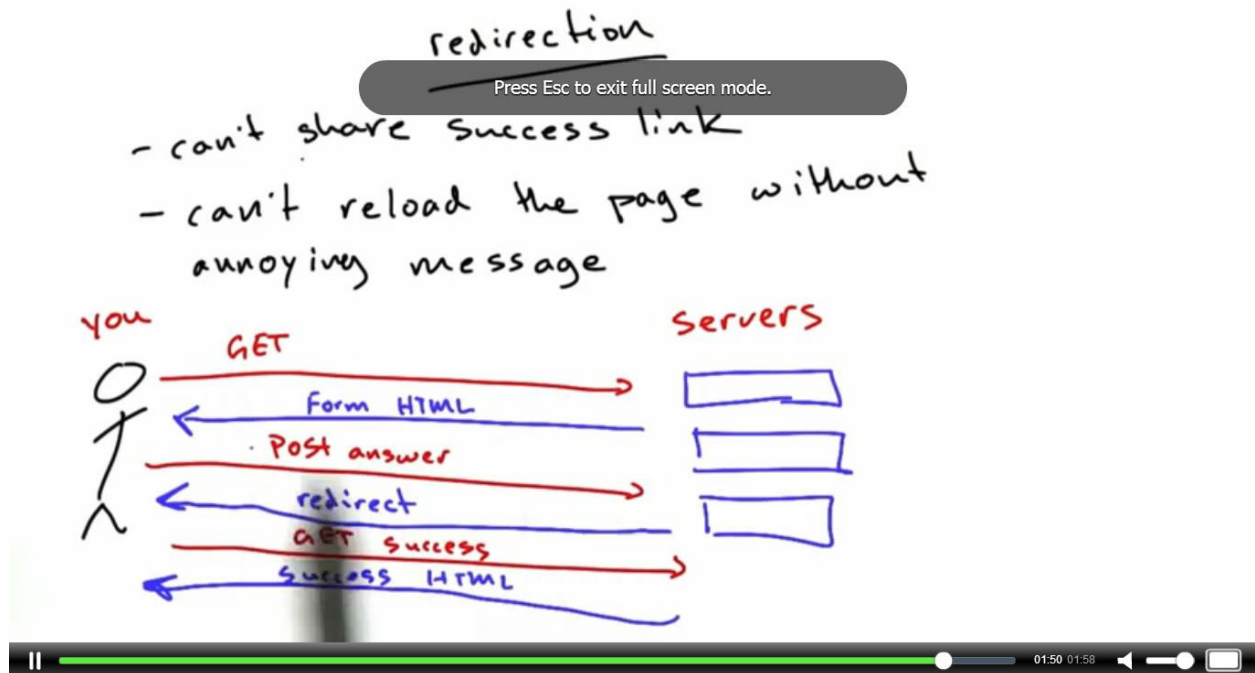

```
# print escape_html('&')
```

```
1 # implement the function escape_html(), which replaces:
2 # > to &gt;
3 # < to &lt;
4 # " to &quot;
5 # & to &amp;
6 # and returns the escaped string
7
8 def escape_html(s):
9     for (i, o) in ((" &", "&amp;"),
10                  (">", "&gt;"),
11                  ("<", "&lt;"),
12                  ("\"", "&quot;"),
13                  ("&", "&amp;")):
14         s = s.replace(i, o)
15     return s
16 print escape_html("test")
```

Press Esc to exit full screen mode.

RUN

test



Quiz

Press Esc to exit full screen mode.

Why is it nice to redirect after a form submission?

- ☐ because POSTs can't return HTML
- ☒ so that reloading the page doesn't resubmit the form
- ☐ to remove the form parameters from the URL
- ☒ so we can have distinct pages



00:51

00:51 01:19

