Server-Side Languages

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Welcome to SSL Day 7!

Interacting with a JSON API

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Server-Side Languages

Overview

In this class we will build a connection to a JSON API.

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JSON in PHP

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JSON in Python

`import json`

`json.loads(`

`json.dumps(`

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Reading from a URL in PHP

```php
function duck($text='default') {

    $url = "http://api.duckduckgo.com/?q="
        . urlencode($text)
        . "&format=json&pretty=1";

    $contents = file_get_contents($url);

    $data = json_decode($contents);

    echo "<pre>";
    var_dump($data);
    echo "</pre>";
}
```
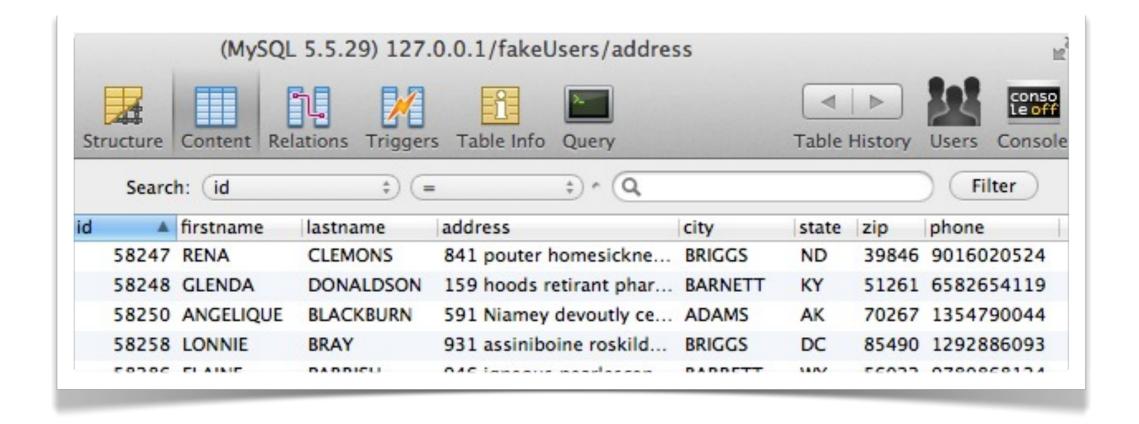
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Reading from a URL in Python

```python
import urllib2
```

```python
def duck(self, text="default"):
    response = urllib2.urlopen(
        "http://api.duckduckgo.com/?q="
        + text + "&format=json&pretty=1")
    resp = response.read()
    gotJson = json.loads(resp)
    print gotJson
```

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Make an example database

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In-class assignment:
Replicate this functionality
in both languages

SEARCH USERS:
Firstname: [   ]
[Submit]

SEARCH Duck Duck Go:
Keyword: [   ]
[Submit]

This will search your example database and return results in JSON

This will get results from the Duck Duck Go API in JSON form and return them in plaintext

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Lab 7

To each of your websites, add either a

JSON Service, which will respond to HTTP

requests with JSON,

or a JSON Reader, which will download

information from someone else's service

into your database.

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