Installing Django

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Installation Steps

Install Python (the right version)

Install the pip package manager

Install virtualenv

Create a new virtualenv

Install Django

Versions

Django 1.6, Python 3.x
Latest release: Might still have some bugs

Django 1.5, Python 3.x
Recommended for production environment
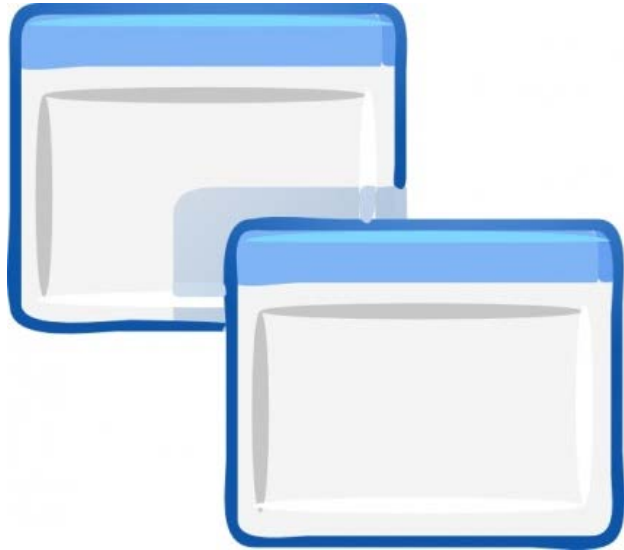
Django 1.5, Python 2.x
May need this if you use libraries that need python 2.x

Either choice will work for this course

Install latest version of Python 2.x or 3.x

More about Django/Python versions: goo.gl/XQ3x4x

Installing Python and pip on Windows

Install Python

http://www.python.org/download/

Follow instructions at

http://www.pip-installer.org/

Install setuptools

Install pip

Installing Python and pip on OS X

Upgrade your Python version

Install homebrew

http://brew.sh

Install Python

In terminal:
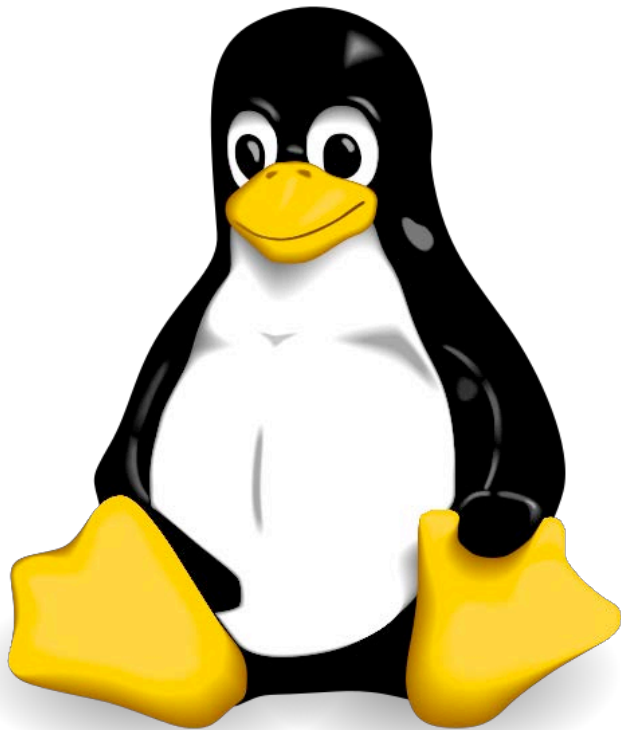
```
brew install python
brew install python3
```

This will install pip as well

Installing Python and pip on Linux

Installation procedure depends on your distribution

Debian/Ubuntu/Linux Mint use apt-get

You may need to use another tool

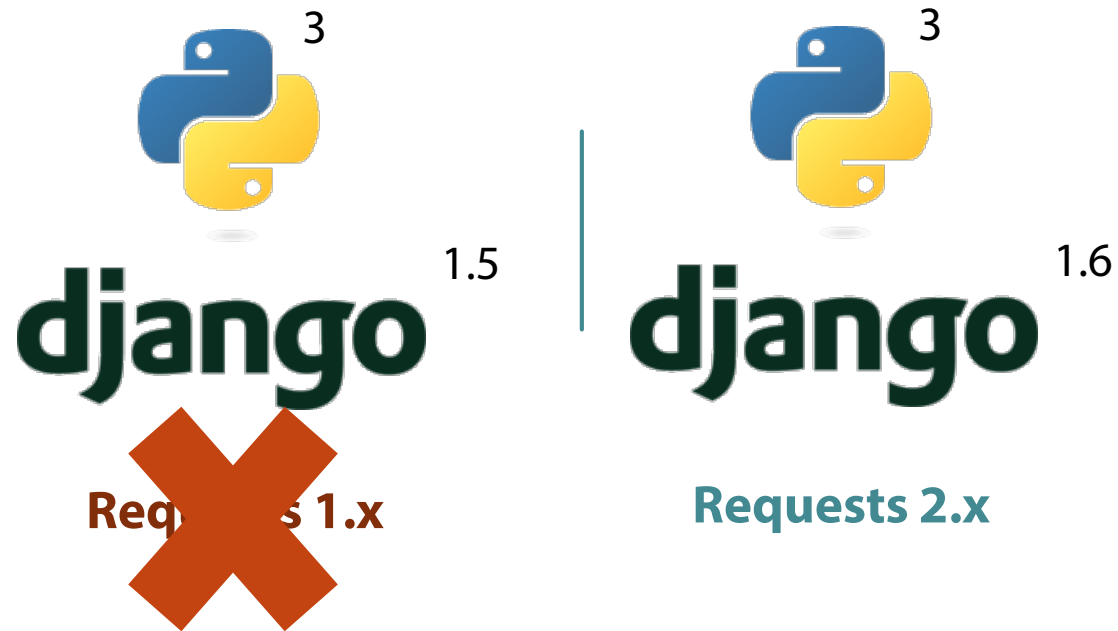**If necessary, upgrade Python:**

```
sudo apt-get install python
sudo apt-get install python3
```

Install pip

```
sudo apt-get install python-pip
```

Why we need virtualenv

Virtualenv

- **Create isolated Python environments**
    - Separate environment per project
    - Install project dependencies in there

- **Don't install Python packages globally!**
    - Work inside virtualenv

- **Projects with conflicting dependencies can coexist peacefully**
    - If they live inside their own virtualenv

Install Virtualenv

- `pip install virtualenv`

- **On windows:**
  - C:\Path\To\Python\Scripts\pip install virtualenv

- **On linux: use sudo**
  - **sudo** pip install virtualenv

Create a New Virtual Environment

- `virtualenv myproject`

- **With specific Python version:**
  - `-p path/to/python`

- **On windows:**
  - `Path\To\Python\Scripts\virtualenv myproject`

- **cd into the new directory**

- **Activate the virtualenv**
  - `. bin/activate`
  - `Windows: Scripts\activate`

Install Django

- **And finally install Django!**
  - `pip install django`
  - `pip install django==1.5`

Editor

- **Optional: An editor with Python support**
    - Examples: Eclipse, Spyder, Komodo Edit
    - See the Python wiki: http://goo.gl/rNj8so

Summary

- **Choosing Python and Django versions**

- **Installing pip package manager**

- **Installing virtualenv**

- **Creating and activating virtualenv**

- **Installing Django**