Setting up a Django Project

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Summary

- Installing Python
- Setting up a Project Environment
- Installing Django
- Starting a Django Project
- Running the Server

Installing Python

Python 3.x (latest or at least 3.4)

Includes `venv` for project environment

If you need to use python 2:

- Make sure to install latest version
- Use `virtualenv` for project environment

For more information:

- Django fundamentals
- Python Developer's Toolkit

Install python 3.x (> 3.3)

https://python.org/

Check: “Add Python to PATH”

Install python 3.x (> 3.3)

https://python.org/

Or Use Homebrew http://brew.sh

- `brew install python3`

Might have python3 already installed

Make sure version > 3.3

Command: `python3`

To Install, Use your package manager

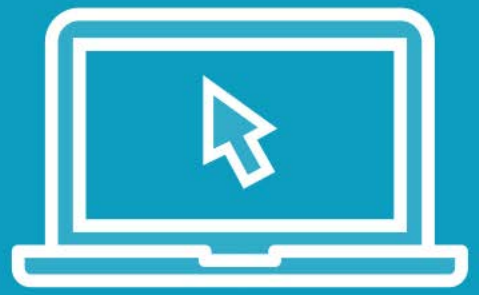
Example (debian/ubuntu):

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

Or use python 2 with virtualenv

Creating a Project Environment

Demo



Create a Virtual Environment

Explore

Activating the Virtual Environment

```
$ python3 -m venv djangular
$ cd djangular
$ . bin/activate
➢ Scripts\activate.bat                    (Windows)
(djangular) $
```

Creating a Virtual Environment

Python 3 comes with `venv` module; use `virtualenv` with Python 2

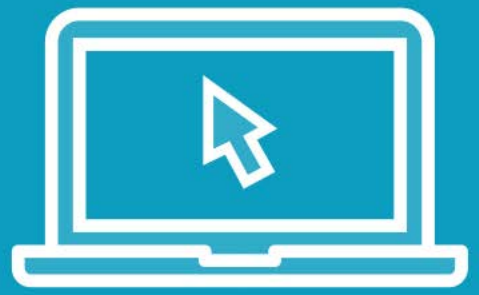
Creates an isolated environment for installing packages

Activate before we continue; Prompt will change

More info: see “The Python Developer’s Toolkit”

Starting a Django Project

Demo



Install Django

Starting a Django Project

Explore the Files Inside

Running the Server

```
(djangular)$ pip install django
(djangular)$ django-admin.py startproject djangular
(djangular)$ cd djangular
(djangular)$ python manage.py runserver
```

Starting a Django Project

Will create a new directory with project template

Directory contains manage.py script

Run the project with runserver

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