Required Software for Python/ Django CoderDojo (Django)

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We need to install and configure the following software:

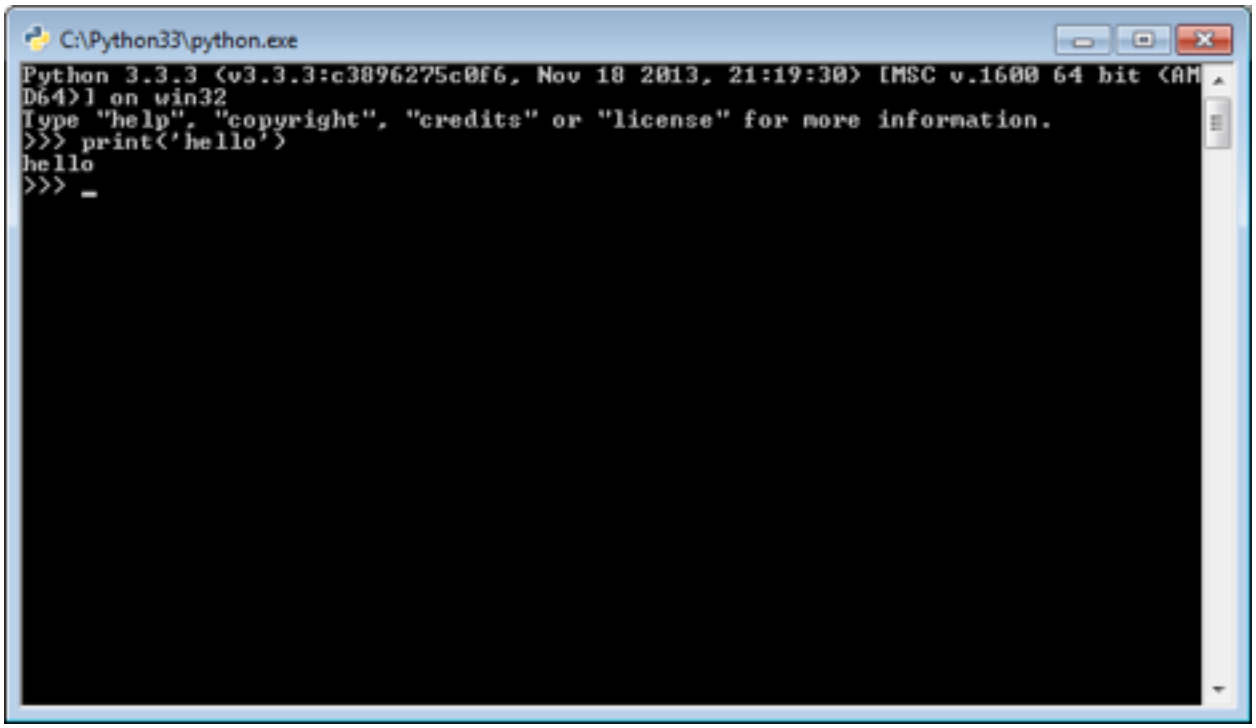
- Python 3 http://www.python.org/getit
- Firefox https://download.mozilla.org
- Git http://git-scm.com/downloads
- Pip https://pypi.python.org/pypi/pip

Note: I created these instructions on a Windows 7 machine. If there are any errors please let me know!

Python 3

This should already be installed from previous CoderDojo sessions.

- to check, go to Start...All Programs...Python33...Python (command line)
- you should see a window saying 'Python 3.3.3 (v3.3.3….)' where you can enter python commands (see screenshot below)



If not installed:

- download and run installer from http://www.python.org/getit/
- the file you probably want is 'Python 3.3.3 Windows x86 MSI Installer'
- select all default options, this will install Python to C:\Python33

Firefox

- Download from https://download.mozilla.org
- Select all default options to install.

Git

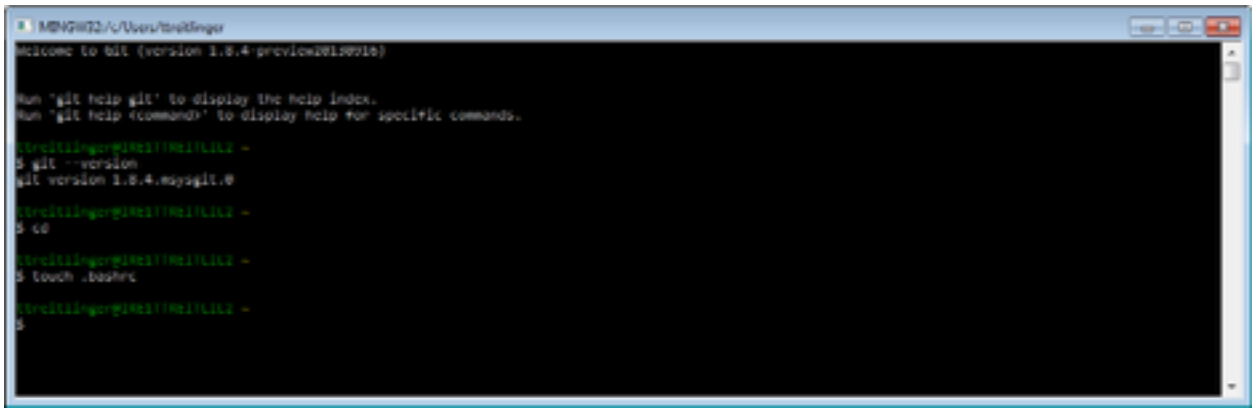
- Download from http://git-scm.com/downloads
- Select all default options to install
- this will add a folder named 'Git' to the Start Menu
- to test, run the 'Git Bash' program from the start menu. At the prompt type `git --version`, the response should be 'git version 1.8.4.msysgit.0'

Some Configuration

- In a Git Bash prompt, enter the following two commands. Finish each command by hitting the Enter (Return) key:

```
cd
touch .bashrc
```

- this should look like this:



- Open a text editor, for example Notepad.exe
- Click File…Open
- At the bottom right, select “All Files” instead of “Text Documents”
- Find the .bashrc file in your home folder
    - On my laptop, this is **C:\Users\ttreitlinger\.bashrc**
- Type the following:

```
alias python3='c:\\Python33\\python.exe'
alias pip-3.3='c:\\Python33\\Scripts\\pip.exe'
```

- Save and close the file
- Close the Git Bash window and reopen it
- Now if you type ‘python3’, the Python3.3 prompt should come up as before, only this time in a Git Bash window.
- If this doesn’t work, check that the .bashrc exists and has a size greater than zero bytes. In a new bash shell, enter the following commands:

```
cd (enter)
ls -la .bashrc (enter)
```

… or, in Windows Explorer (not IE), go to C:\Users\your_name and check the file size there

Pip

This is a bit more complicated…

- Dowload this file: https://bitbucket.org/pypa/setuptools/raw/bootstrap/ez_setup.py and save it with a .py extension.
    - If you click the link and it opens in the browser, hit Ctrl-S to save it as a Python script to your 'Downloads' folder
- Open a Git Bash prompt and cd into the Downloads folder by typing

  ```
  cd ~/Downloads
  ```

- Run the ez_setup.py script by typing

  ```
  python3 ez_setup.py
  ```

- Go to https://pypi.python.org/pypi/pip and download the file pip-1.4.1.tar.gz to your Downloads folder
- This is a gzipped archive file. To extract it: in the Git Bash prompt, still in the Downloads folder, type

  ```
  tar zxf pip-1.4.1.tar.gz
  ```

- This creates a new folder. Change into this folder now:

  ```
  cd pip-1.4.1
  ```

- Run the following command:

  ```
  python3 setup.py install
  ```

- Now pip should be installed, to test enter the following command:
- `pip-3.3`
- This should give about a screen full of output, ending in `--cert <path>`…

Install Django and Selenium

If everything so far is correct, this step is easy. In the Git Bash prompt, enter the following commands:

```
pip-3.3 install --upgrade django
```

```
pip-3.3 install --upgrade selenium
```

This should download some files. You should get some output but no errors. The commands may take a few minutes to run.

Now if you type `python3 -c "import django"` again you should get no errors.