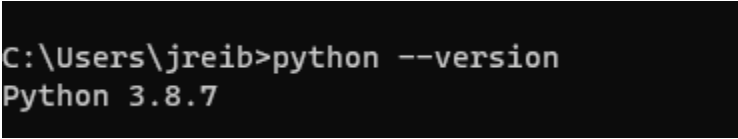


1. Create a text document where you can write your answers to the following questions. You'll want to do some research online to help you develop your answers.
2. Write two to three sentences on why Django is so popular among web developers.
  - A. Django is popular among web developers because of its high-level abstractions, rapid development capabilities, and adherence to the DRY principle. It also has very comprehensive documentation, built-in security and active community support.
3. After some research, list five large companies that use Django. Specify what the company's product or service is and what they use Django for.
  - A. 1. Pinterest – discovery platform, uses it for general web dev
  2. Spotify – music streaming service, uses it for backend infrastructure
  3. Instagram – social media platform, uses it for backend scalability
  4. The Washington Post – news company, uses it for general web dev
  5. Dropbox – cloud storage service, uses it for web services
4. For each of the following scenarios, explain if you would use Django (and why or why not):
  - You need to develop a web application with multiple users.
    - A. Django is well-suited for building apps with user authentication and multiple users. It has built-in features for user management.
  - You need fast deployment and the ability to make changes as you proceed.
    - A. Django is a batteries-included framework, it allows for rapid development speeds.
  - You need to build a very basic application, which doesn't require any database access or file operations.
    - A. Django would be overkill; a lightweight framework would be better suited for this scenario.
  - You want to build an application from scratch and want a lot of control over how it works.
    - A. Using Django would likely limit certain levels of control, so it's not a good choice for this.
  - You're about to start working on a big project and are afraid of getting stuck and needing additional support.
    - A. Django's active community and comprehensive documentation would be beneficial for such a project.
5. Download and install Python (if you haven't done so already).
  - Run the appropriate command to check the Python version.
  - Take a screenshot of the terminal window with the command and version and paste it into your answers document.



```
C:\Users\jreib>python --version
Python 3.8.7
```

6. Open a new terminal window and go to the folder where you want to create your projects.

7. If you haven't done so already, set up and create a virtual environment and name it achievement2-practice. Then:
- Activate the virtual environment.
  - Take a screenshot of the activated environment and paste it into your answers document.

```
C:\Users\jreib\OneDrive\Documents\Coding_Stuff\Python_1>mkvirtualenv achievement2-practice
created virtual environment CPython3.8.7.final.0-64 in 411ms
creator CPython3Windows(dest=C:\Users\jreib\Envs\achievement2-practice, clear=False, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=C:\Users\jreib\
AppData\Local\pypa\virtualenv)
added seed packages: pip==23.3.1, setuptools==69.0.2, wheel==0.42.0
activators BashActivator,BatchActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator

(achievement2-practice) C:\Users\jreib\OneDrive\Documents\Coding_Stuff\Python_1>
```

8. Install Django and verify the installation by checking the version. Then:
- Take a screenshot of the terminal with the command and version.
  - Paste it into your answers document.

```
(achievement2-practice) C:\Users\jreib\OneDrive\Documents\Coding_Stuff\Python_1>django-admin --version
4.2.8
```

9. Export your document as a PDF.
10. You can continue working on your [learning journal](#)! You'll update the journal for each Exercise as you move through this Achievement.
11. In the GitHub repository that you created in Achievement 1, create a folder for this Achievement (if not done already) and name it "Achievement 2". Create a subfolder for your Exercise ("Exercise 2.1") and upload the PDF and learning journal to this folder.
12. Share the GitHub link to the "Exercise 2.1" folder with your mentor for review.