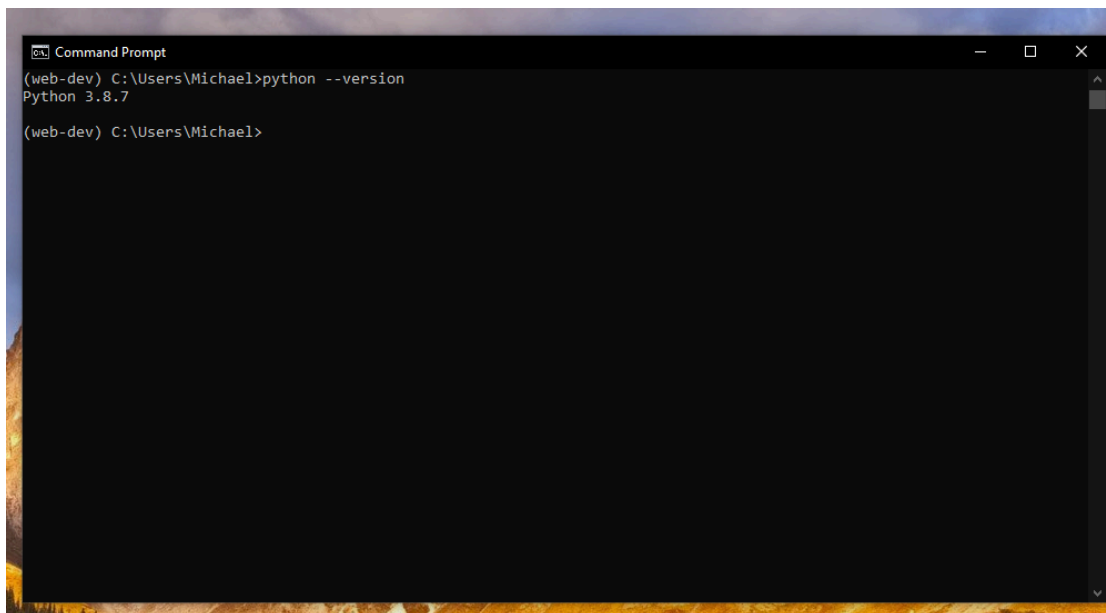


1. Django is popular among web developers because it is a “batteries included” framework meaning it comes ready with the necessary tools to develop and deploy an application. It makes development a faster process and also easy to scale for larger projects.
2. a). Instagram is a social media platform that uses Django for backend services user interaction and content delivery. b). Youtube is a video sharing platform that uses Django for backend services like user authentication and content management. c). Spotify is a music streaming service that uses Django once again for backend services like user management and content delivery. d). Dropbox is a cloud storage and file service that also uses Django for backend services such as file management and data synchronization. e). Pinterest is a visual discovery and bookmarking platform that uses Django for backend services such as user interactions and content management.
3. a). I would use Django in the case of building an application with multiple users because it would be great for user management and admin operations. b). I would use Django in the case of an application that I want to deploy quickly and make changes as necessary because Django is quick to deploy and easily able to integrate new pieces of code. c). I would not use Django for a small application that does not need database access because Django would come with too many tools related to database interactions and then carry too much code necessary for the small application. d). I would not use Django for an application that I want to build from scratch and that I would want a lot of control over because it is more of a rigid framework that doesn't allow for too much customization and starting from the bottom. e). I would use Django in the case of a big project that I am scared of getting stuck in during development and needing community support because Django comes ready out the box with many essential developing tools as well as a good support from the Django community.



```
Command Prompt
(web-dev) C:\Users\Michael>python --version
Python 3.8.7
(web-dev) C:\Users\Michael>
```

```
Command Prompt

(web-dev) C:\Users\Michael>mkvirtualenv achievement2-practice
created virtual environment CPython3.8.7.final.0-64 in 3197ms
creator CPython3Windows(dest=C:\Users\Michael\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\Michael\AppData\Local\pypa\virtualenv)
added seed packages: pip==24.0, setuptools==69.5.1, wheel==0.43.0
activators BashActivator,BatchActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator

(achievement2-practice) C:\Users\Michael>
```

```
Command Prompt

(web-dev) C:\Users\Michael>py -m pip install Django
Collecting Django
  Downloading Django-4.2.13-py3-none-any.whl.metadata (4.1 kB)
Collecting asgiref<4,>=3.6.0 (from Django)
  Downloading asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)
Collecting sqlparse>=0.3.1 (from Django)
  Downloading sqlparse-0.5.0-py3-none-any.whl.metadata (3.9 kB)
Collecting backports.zoneinfo (from Django)
  Downloading backports.zoneinfo-0.2.1-cp38-cp38-win_amd64.whl.metadata (4.7 kB)
Collecting tzdata (from Django)
  Downloading tzdata-2024.1-py2.py3-none-any.whl.metadata (1.4 kB)
Collecting typing_extensions>=4 (from asgiref<4,>=3.6.0->Django)
  Downloading typing_extensions-4.12.2-py3-none-any.whl.metadata (3.0 kB)
Downloaded Django-4.2.13-py3-none-any.whl (8.0 MB)
----- 8.0/8.0 MB 299.6 kB/s eta 0:00:00
Downloaded asgiref-3.8.1-py3-none-any.whl (23 kB)
Downloaded sqlparse-0.5.0-py3-none-any.whl (43 kB)
----- 44.0/44.0 kB 717.7 kB/s eta 0:00:00
Downloaded backports.zoneinfo-0.2.1-cp38-cp38-win_amd64.whl (38 kB)
Downloaded tzdata-2024.1-py2.py3-none-any.whl (345 kB)
----- 345.4/345.4 kB 230.5 kB/s eta 0:00:00
Downloaded typing_extensions-4.12.2-py3-none-any.whl (37 kB)
Installing collected packages: tzdata, typing_extensions, sqlparse, backports.zoneinfo, asgiref, Django
Successfully installed Django-4.2.13 asgiref-3.8.1 backports.zoneinfo-0.2.1 sqlparse-0.5.0 typing_extensions-4.12.2 tzdata-2024.1

(web-dev) C:\Users\Michael>django-admin --version
4.2.13

(web-dev) C:\Users\Michael>
```