

1. Write two to three sentences on why Django is so popular among web developers.

Django is a popular choice for web development because it offers a full-featured framework that allows you to build web applications quickly and easily. It provides shortcuts and tools that make coding easier. Additionally, Django prioritizes security by taking care of common security issues, like protecting against hackers and ensuring user data is safe. Django is also capable of handling high traffic volumes, even if your website becomes super popular.

2. 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.

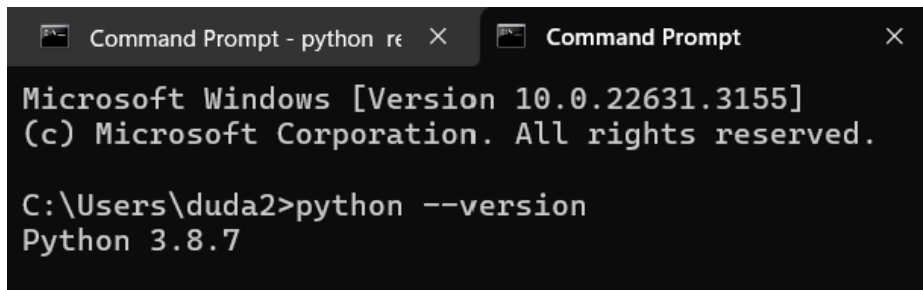
- Instagram: Relies on Django to handle user accounts, uploads, comments, and likes.
- Spotify: Relies on Django for user authentication, playlist management, and content recommendations.
- National Geographic: Relies on Django to manage articles, photos, and videos. Ensures efficient content delivery and smooth user experience.
- Mozilla: Relies on Django for various uses, one of which is their crash-reporting system. It helps them track and fix issues efficiently.
- Pinterest: Relies on Django for backend; managing user profiles, pins, and boards.

3. For each of the following scenarios, explain if you would use Django (and why or why not):

- a. You need to develop a web application with multiple users.
 - i. Yes, Django is suitable for developing a web application with multiple users because it provides built-in user authentication.
- b. You need fast deployment and the ability to make changes as you proceed.
 - i. Yes, Django allows for fast deployment and iterative development, making it suitable for making changes as you proceed.
- c. You need to build a very basic application, which doesn't require any database access or file operations.
 - i. No, Django is not necessarily for building a very basic application that doesn't require database access. A simpler framework or library would be better suited.
- d. You want to build an application from scratch and want a lot of control over how it works.

- i. Yes, Django is a good choice if you want to build an application from scratch and want a lot of control over how it works. Django is flexible and allows for customizations to fit specific requirements.
- e. You're about to start working on a big project and are afraid of getting stuck and needing additional support.
 - i. Yes, Django has a large and active community, which provides support and resources for developers.

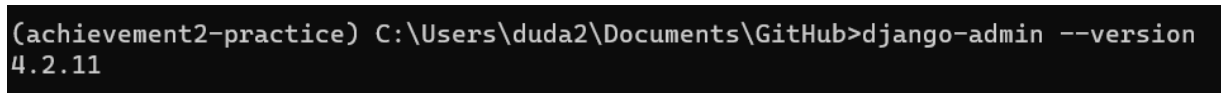
4. Python Version:



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Command Prompt - python re X Command Prompt X
Microsoft Windows [Version 10.0.22631.3155]
(c) Microsoft Corporation. All rights reserved.

C:\Users\duda2>python --version
Python 3.8.7
```

5. Django Installation within achievement2 virtual env



```
(achievement2-practice) C:\Users\duda2\Documents\GitHub>django-admin --version
4.2.11
```