

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

- a. After reading community comments on reddit and Quora, developers seem to like Django because of its quick build process because a lot of the implementation has already been done. One experience stated that what took them previously 11,000 lines of code and three months to complete was done with Django and it took them 1,000 lines of code and two weeks to complete. The effort and time saved is undeniable. People also stated that they liked its easy implementation of security. While others like Django for its free complex admin panel. There seem to be a lot of benefits and a lot of people using it.

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.

- a. Washington Post - News website with ever updating articles, news, and data. Django keeps up with the real time events of the news to update data and publications.
- b. Indeed - A job posting site for employers to post and job-seekers to apply. Django is great for its scalability and used at Indeed for the massive traffic that they have with job posts coming in constantly and interactions between job-seekers and employers.
- c. National Geographic - News/Magazine site that allows for posting about travel, landscapes, history, news, and health. Django is used for its scalability for all its users and content management systems.

- d. Udemy - Code teaching course website that is interactive to the learner. Django is used for its content management system as well to allow a lot of users to interact with their course at a fast pace.
- e. Coursera - Learning platform where the user can choose through lots of different coursework. Django is used for its fast user interactions and security with all the people logging in to take courses.

3. 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.**
 - i. I would use django for its scalability and also the ease in adding new hardware and components.
- **You need fast deployment and the ability to make changes as you proceed.**
 - i. I would use django as it allows for quick speeds and fast development.
- **You need to build a very basic application, which doesn't require any database access or file operations.**
 - i. I wouldn't use Django for this project because there is a tight structure and a lot of install needed for such a simple project.
- **You want to build an application from scratch and want a lot of control over how it works.**

- i. I wouldn't use Django for this application because it has a very tight structure that would not allow a lot of control to the developer.
- **You're about to start working on a big project and are afraid of getting stuck and needing additional support.**
 - i. I would use Django because there is a large community of resources and people to jump in and help. Django could also scale for a large project.

Checked that Python was installed by typing command to see which version was installed

```
breannasteward@Breannas-MacBook-Air Recipe-App-Achievment % python3 --version
Python 3.13.5
breannasteward@Breannas-MacBook-Air Recipe-App-Achievment %
```

Created Virtual Environment called "achievement2-pracitce" and selected "workon achievement2-practice"

```
(achievement2-practice) breannasteward@Breannas-MacBook-Air Acheivment 2 % work
on achievement2-practice
(achievement2-practice) breannasteward@Breannas-MacBook-Air Acheivment 2 %
```

Installed Django in virtual environment "achievement2-practice"

```
(achievement2-practice) breannasteward@Breannas-MacBook-Air Achievement 2 % djan  
go-admin --version  
5.2.5  
(achievement2-practice) breannasteward@Breannas-MacBook-Air Achievement 2 %
```