1. Write two to three sentences on why Django is so popular among web developers.
   - Django is popular among web developers because it provides a high-level, "batteries-included" framework that comes with many built-in features, reducing the need for third-party tools. It also emphasizes the "Don't Repeat Yourself" (DRY) principle, which helps in creating clean and efficient code. Moreover, Django has excellent documentation and a large, supportive community, making it easier for developers to get help and resources.

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 They use Django for handling large amounts of data and user interactions
   ○ Pinterest Pinterest uses Django to manage its extensive content and user data.
   ○ Mozilla They use Django for several of their web applications, including the Mozilla Developer Network (MDN).
   ○ Spotify Spotify uses Django for its web APIs and data management.
   ○ Disqus Disqus uses Django to handle millions of comments and users.

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.

: Yes, I would use Django because it has built-in authentication and user management systems, making it easy to handle multiple users

   - You need fast deployment and the ability to make changes as you proceed.

-Yes, Django supports rapid development with its modular design and built-in admin panel, which allows for quick changes and updates.

   - You need to build a very basic application, which doesn't require any database access or file operations.

-No, I wouldn't use Django for this scenario because Django is a full-featured framework and might be overkill for a simple application without a database

- You want to build an application from scratch and want a lot of control over how it works.

-No, I might not use Django because it imposes a certain structure and conventions.

- You're about to start working on a big project and are afraid of getting stuck and needing additional support.

-Yes, I would use Django because it has extensive documentation and a large community

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C:\Users\Luffy>virtualenv --version
virtualenv 20.26.2 from c:\users\luffy\appdata\local\programs\python\python38\lib\site-packages\virtualenv\__init__.py

C:\Users\Luffy>cd Desktop

C:\Users\Luffy\Desktop>cd Achivement2

C:\Users\Luffy\Desktop\Achivement2>mkvirtualenv web-dev
created virtual environment CPython3.8.7.final.0-64 in 2192ms
  creator CPython3Windows(dest=C:\Users\Luffy\Envs\web-dev, 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\Luffy\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

(web-dev) C:\Users\Luffy\Desktop\Achivement2>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)
Downloading Django-4.2.13-py3-none-any.whl (8.0 MB)
   ---------------------------------------- 8.0/8.0 MB 18.9 MB/s eta 0:00:00
Downloading asgiref-3.8.1-py3-none-any.whl (23 kB)
Downloading sqlparse-0.5.0-py3-none-any.whl (43 kB)
   ---------------------------------------- 44.0/44.0 kB 2.1 MB/s eta 0:00:00
Downloading backports.zoneinfo-0.2.1-cp38-cp38-win_amd64.whl (38 kB)
Downloading tzdata-2024.1-py2.py3-none-any.whl (345 kB)
   ---------------------------------------- 345.4/345.4 kB 22.3 MB/s eta 0:00:00
Downloading 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\Luffy\Desktop\Achivement2>
```