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

Django is a Python framework, which is one of the world's most popular languages. It is flexible, scalable and can be used for large scale APIs.

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 – for sharing photos and videos. Used to scale app for serving millions of users.

Spotify – for streaming audio. Used to scale app for serving millions of users.

Youtube – for sharing videos. Used to scale app for serving millions of users.

Pinterest – for sharing photos. Used to scale app for serving millions of users.

Dropbox – for hosting repositories of work. Used to scale app for serving millions of users.

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.** Yes. Django is meant to scale apps to serve millions of users and requests.
   b. *You need fast deployment and the ability to make changes as you proceed.* If deploying app then use Django as it is a framework for deploying APIs.
   c. **You need to build a very basic application, which doesn't require any database access or file operations.** No. Vanilla python is enough for small scale apps. Django is not meant for this.
   d. **You want to build an application from scratch and want a lot of control over how it works.** Use vanilla Python instead of Django as you can't necessarily build apps from scratch in an existing framework.
   e. **You're about to start working on a big project and are afraid of getting stuck and needing additional support.** If it is large scale then use Django, it is meant to scale large apps.

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Collecting tzdata
  Downloading tzdata-2023.3-py2.py3-none-any.whl (341 kB)
                                        341.8/341.8 kB 5.3 MB/s eta 0:00:00
Collecting asgiref<4,>=3.6.0
  Downloading asgiref-3.7.2-py3-none-any.whl (24 kB)
Collecting typing-extensions>=4
  Using cached typing_extensions-4.8.0-py3-none-any.whl (31 kB)
Installing collected packages: tzdata, typing-extensions, sqlparse, asgiref, django
Successfully installed asgiref-3.7.2 django-4.2.7 sqlparse-0.4.4 typing-extensions-4.8.0 tzdata-2023.3

[notice] A new release of pip available: 22.2.2 -> 23.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
(web-dev) PS C:\Users\kapad\web-dev\Scripts> django-admin --version
4.2.7
(web-dev) PS C:\Users\kapad\web-dev\Scripts>
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PS C:\Users\kapad> cd "C:\Users\kapad\web-dev\Scripts"
PS C:\Users\kapad\web-dev\Scripts> ./activate
(web-dev) PS C:\Users\kapad\web-dev\Scripts> pip install django
Collecting django
  Downloading Django-4.2.7-py3-none-any.whl (8.0 MB)
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Collecting sqlparse>=0.3.1
  Downloading sqlparse-0.4.4-py3-none-any.whl (41 kB)
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Collecting tzdata
  Downloading tzdata-2023.3-py2.py3-none-any.whl (341 kB)
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Collecting asgiref<4,>=3.6.0
  Downloading asgiref-3.7.2-py3-none-any.whl (24 kB)
Collecting typing-extensions>=4
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(web-dev) PS C:\Users\kapad\web-dev\Scripts> django-admin --version
4.2.7
(web-dev) PS C:\Users\kapad\web-dev\Scripts> python --version
Python 3.10.7
(web-dev) PS C:\Users\kapad\web-dev\Scripts>
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