

```
jenniferscott@Jennifers-MacBook-Pro-2 ~ % mkvirtualenv web-dev
created virtual environment CPython3.11.4.final.0-64 in 152ms
creator CPython3Posix(dest=/Users/jenniferscott/.virtualenvs/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=/Users/jenniferscott/Library/Application Support/virtualenv)
added seed packages: pip==23.2.1, setuptools==68.0.0, wheel==0.41.1
activators BashActivator, CShellActivator, FishActivator, NushellActivator, PowerShellActivator, PythonActivator
virtualenvwrapper.user_scripts creating /Users/jenniferscott/.virtualenvs/web-dev/bin/predeactivate
virtualenvwrapper.user_scripts creating /Users/jenniferscott/.virtualenvs/web-dev/bin/postdeactivate
virtualenvwrapper.user_scripts creating /Users/jenniferscott/.virtualenvs/web-dev/bin/preactivate
virtualenvwrapper.user_scripts creating /Users/jenniferscott/.virtualenvs/web-dev/bin/postactivate
virtualenvwrapper.user_scripts creating /Users/jenniferscott/.virtualenvs/web-dev/bin/get_env_details
(web-dev) jenniferscott@Jennifers-MacBook-Pro-2 ~ % pip install django
Collecting django
  Obtaining dependency information for django from https://files.pythonhosted.org/packages/7f/9e/fc6bab255ae10bc57fa2f65646eace3d5405fbb7f5678b90140052d1db0f/Django-4.2.4-py3-none-any.whl.metadata
  Downloading Django-4.2.4-py3-none-any.whl.metadata (4.1 kB)
Collecting asgiref<4,>=3.6.0 (from django)
  Obtaining dependency information for asgiref<4,>=3.6.0 from https://files.pythonhosted.org/packages/9b/80/b9051a4a07ad231558fcd8fffc89232711b4e618c15cb7a392a17384bbeef/asgiref-3.7.2-py3-none-any.whl.metadata
  Downloading asgiref-3.7.2-py3-none-any.whl.metadata (9.2 kB)
Collecting sqlparse>=0.3.1 (from django)
  Downloading sqlparse-0.4.4-py3-none-any.whl (41 kB)
  Downloading Django-4.2.4-py3-none-any.whl (8.0 MB)
  Downloading asgiref-3.7.2-py3-none-any.whl (24 kB)
Installing collected packages: sqlparse, asgiref, django
Successfully installed asgiref-3.7.2 django-4.2.4 sqlparse-0.4.4
(web-dev) jenniferscott@Jennifers-MacBook-Pro-2 ~ % django-admin --version
4.2.4
```

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

- Django is popular among developers because it is scalable and is very developer friendly because of its built-in plugins. It is also built to handle large scale, data heavy projects.

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.

- Netflix - streaming, Django supports heavy content streaming
- Instagram- social media, Django is easy to scale and supports large amounts of data
- Youtube - streaming, Django supports content streaming and large amounts of data
- Pinterest - social media, Django has scalability
- Google - search engine, Django supports large amounts of data

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 would use Django because it would allow for multiple users due to its scalability.
- You need fast deployment and the ability to make changes as you proceed.

- I would use Django because it is quick to deploy.

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

- I wouldn't use Django because I would not be building a large application.

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

- I wouldn't use Django because it is very strict about how it is used.

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

- I would use Django because of its vast, open resources.