Task:

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

Django is a Framework that removes a lot of hassle of web development and therefore allows the web developers to focus on the project's logic. Also, it has a strong community of users which make it very interesting in terms of long-term support, further developments etc….

3. 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** is a social media application for sharing photos and videos. Django help Instagram to build tools that scale well.

- **National Geographic** is a television network and popular magazine series focused on delivering educational content in subject areas like science, culture, and history. Django helps with the development of data-driven / complex websites.

- **Mozilla** is the global nonprofit that created of the Firefox browser. Django helps to handle large amounts of traffic in a more efficient manner.

- **Spotify** is an audio streaming provider. Django help increasing Spotify functionality.

- **Pinterest** is another social media platform like Instagram. Django helps building Pinterest user friendly interface.

4. 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 as it would I would need to implement a full stack App using both the front end and the back end. Django could provide useful tools to help me building it.

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

I may use Django depending on the requirements. Indeed, if there is no need for a database I would not necessarily need to use Django.

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

I would not use Django.

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

As Django is a very structured Framework and comes with a lot of functionalities already installed, I would not use Django in this case.

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

I would use Django as it is very well suited for large Projects. Also, it benefits from a large community and therefore many resources are already available.

5. Download and install Python (if you haven't done so already).
- **Run the appropriate command to check the Python version.**
- **Take a screenshot of the terminal window with the command and version and paste it into your answers document.**

```
[(web-dev) xaviersallanon@MacBook-de-Xavier ~ % python --version
 Python 3.8.7
```

6. Open a new terminal window and go to the folder where you want to create your projects.

7. If you haven't done so already, set up and create a virtual environment and name it achievement2-practice. Then:
- **Activate the virtual environment.**
- **Take a screenshot of the activated environment and paste it into your answers document.**

```
[(web-dev) xaviersallanon@MacBook-de-Xavier ~ % python --version
 Python 3.8.7
 (web-dev) xaviersallanon@MacBook-de-Xavier ~ % 
```

8. Install Django and verify the installation by checking the version. Then:
- **Take a screenshot of the terminal with the command and version.**
- **Paste it into your answers document.**

```
[(web-dev) xaviersallanon@MacBook-de-Xavier ~ % django-admin --version
 4.1.4
```