Pre-Work: Before You Start Achievement 2

In the final part of the learning journal for Achievement 1, you were asked if there's anything—on reflection—that you'd keep in mind and do similarly or differently during Achievement 2. Think about these questions again:

- Was your study routine effective during Achievement 1? If not, what will you do differently during Achievement 2?
  - Yes, I found that my new study routine was more helpful than the full-stack course. It made it easier and faster for me to complete the first achievement.

- Reflect on your learning and project work for Achievement 1. What were you most proud of? How will you repeat or build on this in Achievement 2?
  - I am proud of my achievement in learning Python, learning its syntax, and quickly becoming familiar with the language. I plan to stick with my current study routine to complete Achievement 2 as well.

- What difficulties did you encounter in the last Achievement? How did you deal with them? How could this experience prepare you for difficulties in Achievement 2?
  - In the last Achievement, adjusting to a new language was challenging in the beginning as I had to write code in a different way. I tackled this difficulty by staying focused and practicing consistently, constantly refining my code to become more familiar with Python. This experience has prepared me well for potential challenges in Achievement 2, and I am excited to progress to the next project now that I am more comfortable with Python.

Note down your answers and discuss them with your mentor in a call if you like.

Remember that can always refer to Exercise 1.4 of the Orientation course if you're not sure whom to reach out to for help and support.

Exercise 2.1: Getting Started with Django

Learning Goals

- Explain MVT architecture and compare it with MVC
- Summarize Django's benefits and drawbacks
- Install and get started with Django

1. Suppose you're a web developer in a company and need to decide if you'll use vanilla (plain) Python for a project, or a framework like Django instead. What are the advantages and drawbacks of each?
    - Plain Python is flexible but may require more effort, while Django is quicker for web development but has a learning curve and suits larger projects better.

2. In your own words, what is the most significant advantage of Model View Template (MVT) architecture over Model View Controller (MVC) architecture?
    - The most significant advantage of MVT over MVC is simplicity. MVT in Django combines the controller and the template into a single unit, making it easier to understand and use for web development.

3. Now that you've had an introduction to the Django framework, write down three goals you have for yourself and your learning process during this Achievement. You can reflect on the following questions if it helps:
    - What do you want to learn about Django?
      - I want to learn advanced Django features for building powerful and efficient web applications.

    - What do you want to get out of this Achievement?
      - I aim to gain a solid understanding of Django during this achievement, Specially, I want to master its core concepts, enhance my web development skills, and build practical projects using Django.

    - Where or what do you see yourself working on after you complete this Achievement?
      - After finishing this Achievement, I see myself working on web development projects, using my skills in Django to create strong and user-friendly websites. I want to be part of teams or lead projects that make good use of what I've learned.