Exercise 1.3: Functions and Other Operations in Python

Learning Goals

- Implement conditional statements in Python to determine program flow
- Use loops to reduce time and effort in Python programming
- Write functions to organize Python code

Reflection Questions

1. In this Exercise, you learned how to use **if-elif-else** statements to run different tasks based on conditions that you define. Now practice that skill by writing a script for a simple travel app using an **if-elif-else** statement for the following situation:

   - The script should ask the user where they want to travel.
   - The user's input should be checked for 3 different travel destinations that you define.
   - If the user's input is one of those 3 destinations, the following statement should be printed: "Enjoy your stay in _____!"
   - If the user's input is something other than the defined destinations, the following statement should be printed: "Oops, that destination is not currently available."

Write your script here. *(Hint: remember what you learned about indents!)*

```
destinations = ["Turkey", "China", "Japan"]

user_destination = input("Where do you want to travel? ")

if user_destination in destinations
   print("Enjoy your stay in ", destination)
else
   print("Oops, that destination is not currently available.")
```

2. Imagine you're at a job interview for a Python developer role. The interviewer says "Explain logical operators in Python". Draft how you would respond.
   Logical Operators are used to combine multiple conditions together using "and", "or", "not" and return Boolean. The "and" operator returns true if both conditions are true. The "or" operator returns true if either of the conditions are true.

3. What are functions in Python? When and why are they useful?
   Function in Python is a block of code which only runs when it's called. The purpose is to reduce the amount of repeated code. So instead of writing the same code over and over, we call the function.

4. In the section for Exercise 1 in this Learning Journal, you were asked in question 3 to set some goals for yourself while you complete this course. In preparation for your next mentor call, make some notes on how you've progressed towards your goals so far.
    - I would like to learn Python for backend development: Haven't done any backend yet but learning the foundations of using Python to get there.
    - Learning Python to automate tasks: Still on the basics.
    - Master Python skills: Building the foundation will help in more advanced topics.