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!)*

```
destination = input("Where would you like to travel? ")

if destination == "Alaska":
   print("Enjoy your stay in Alaska!")

elif destination == "Mexico":
   print("Enjoy your stay in Mexico!")

elif destination == "Delaware":
   print("Enjoy your stay in…Delaware…")

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 conditional statements and produce Boolean and are generally used to control the flow of a program. They're useful when for decision making and loops. The three main logical operators are "and," "or," and "not," which will produce a different Boolean result based on the logic they're being used in.

3. What are functions in Python? When and why are they useful?
    - Functions are sets of instructions that process or manipulate your code in order to achieve certain things. They can be most useful when you've defined some steps for an operation in your code and realize this code will need to be repeated many times. A function could help to condense the steps and save time.

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.
    - My overall goal was to familiarize myself with Python and try to connect the dots on how I could use it better, whether in my professional life or personal. It's been interesting to see how flexible and powerful a tool it can be and I'm looking forward to learning more about Python.