CAREERFOUNDRY

Python for Web Developers Learning Journal

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 == "New York":
        print("Enjoy your stay in New York!")

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

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

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 in Python are used to combine conditional statements. Logical operators include "and" and "or" to describe how two conditions might relate to each other. The "not" operator is used to reverse the result of a logical expression that comes after it.

3. What are functions in Python? When and why are they useful?

   Functions in Python are a set of instructions that process or manipulate your code in order to achieve certain things. Functions are useful for when you need to repeat certain instructions in your code and can call on the function whenever you require it for readability purposes and to 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.

   I have progressed on my goals by gaining a fundamental understanding of data types and how to work with them to achieve results. Additionally, I am learning to use data types such as lists in for loops so I can iterate through a list and pick out elements one-by-one.