### 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!)*

|  |
| --- |
| travel=str(input("Where do you want to go? "))  destinations=["Rome","London","Paris"]  if travel in destinations:      print("Enjoy you stay in ", travel)  else:       print("Oops, that destination is not currently available.") |

1. 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, including and, or, and not, manipulate Boolean values.They combine or negate conditions, facilitating logical evaluations. and returns True if both conditions are true, or returns True if at least one is true, and not negates the truth value of a condition.

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

Functions in Python are blocks of reusable code designed to perform a specific task. They enhance code organization, readability, and reusability. Functions are useful when a task needs to be executed multiple times or when modularizing code for better maintenance and collaboration.

1. 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’ve learned a lot about python basic functionalities and I’ve done plenty of exercise.