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

* 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\_destinations = ["madrid", "amsterdam", "mykonos"]  country = str(input("Enter where you want to travel: "))  if country.lower() in travel\_destinations:  print("Enter your stay in ", country + ".")  else  print ("Oops, destination is not currently available.") |

* 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.

Python's logical operators (AND, OR, NOT) evaluate boolean expressions. AND returns True if both operands are True, OR returns True if at least one operand is True, NOT returns the opposite.

* 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 readability, modularity, and reusability by encapsulating functionality. Functions are useful for breaking down complex tasks into smaller, manageable parts and promoting code organization and maintainability.

* 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 dedicated as much time as i needed to each new thing that i learned, without rushing or forcing myself, and now i feel confident in my abilities to perform these basic tasks on my own. i have progressed my knowledge of python and am beginning to slowly shape my recipes app.