

EXERCISE 1.3: FUNCTIONS AND OTHER OPERATIONS IN PYTHON

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."

```
1 destinations = ["Rome", "Paris", "London"]
2
3 def take_destination():
4     city = input("Name of destination you would like to travel to: ")
5     if city == destinations[0]:
6         print("Enjoy your stay in: ", destinations[0])
7     elif city == destinations[1]:
8         print("Enjoy your stay in: ", destinations[1])
9     elif city == destinations[2]:
10        print("Enjoy your stay in: ", destinations[2])
11    else:
12        print("Oops, that destination is not currently available.")
13
14    take_destination()
15
16
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
sera@Seras-MBP python-project % cd Exercise\ 1.1
sera@Seras-MBP Exercise 1.1 % python add.py
zsh: command not found: python
sera@Seras-MBP Exercise 1.1 % workon cf-python-base
(cf-python-base) sera@Seras-MBP Exercise 1.1 % python add.py
Name of destination you would like to travel to: Rome
Enjoy your stay in: Rome
```


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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.

- THE LOGICAL OPERATORS CHECK MULTIPLE CONDITIONS FOR BOOLEAN. THE "AND" CHECKS TO SEE IF ALL STATEMENT CONDITIONS ARE TRUE, THE "OR" CHECKS IF ONE OF THE STATEMENT CONDITIONS ARE TRUE, AND THE "NOT" REVERSES THE BOOLEAN OF THE STATEMENT IF IT'S TRUE

3. WHAT ARE FUNCTIONS IN PYTHON? WHEN AND WHY ARE THEY USEFUL?

- FUNCTIONS ARE A BLOCK OF CODE THAT CAN BE REUSED AS MANY TIMES AS IT NEEDS TO BE IN YOUR CODE TO SIMPLIFY AND ALLOW YOU TO CALL THEM INSTEAD OF REPEATING THE SAME SET OF INSTRUCTIONS THAT PROCESS OR MANIPULATE YOUR CODE.

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.

- IN EXERCISE 1 MY GOAL WAS TO GET BETTER AT LOOPS, THROUGH THIS LESSON I CHALLENGED MYSELF TO TRY ALL THE EXTRA TASKS TO HELP BETTER UNDERSTAND THE CONCEPTS PRESENTED. I DEFINITELY HAVE A BETTER GRASP ON LOOPS BUT I STILL STRUGGLE WITH THE RETURN PART.