

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('Travel to Alaska, North Carolina, Mississippi: ')
if destination == ('Alaska' or 'North Carolina' or 'Mississippi'):
    print('Enjoy your stay in' + destination)
else:
    print('That destination is currently unavailable.')
```

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 check whether an expression is True or False, the three operators are 'or', 'not' and 'and'.

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. You can use functions to help keep your code clean and not have to repeat code if you find yourself needing to do so.

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 this lesson we learned about many different things like booleans, functions, if-else statements which I believe are critical to being proficient in python and only scratches the surface.