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Activity: Debug Python Code

Introduction

One of the biggest challenges faced by analysts is ensuring that automated processes run smoothly. Debugging is an important practice that security analysts incorporate in their work to identify errors in code and resolve them so that the code achieves the desired outcome.

Through a series of tasks in this lab, you'll develop and apply your debugging skills in Python.

Tips for completing this lab

Scenario

In your work as a security analyst, you need to apply debugging strategies to ensure your code works properly.

Throughout this lab, you'll work with code that is similar to what you've written before, but now it has some errors that need to be fixed. You'll need to read code cells, run them, identify the errors, and adjust the code to resolve the errors.

Task 1

The following code cell contains a syntax error. In this task, you'll run the code, identify why the error is occuring, and modify the code to resolve it. (To ensure that it has been resolved, run the code again to check if it now functions properly.)

In [1]:
```
# For loop that iterates over a range of numbers
# and displays a message each iteration

for i in range(10):
    print("Connection cannot be established")
```

```
Connection cannot be established
Connection cannot be established
Connection cannot be established
Connection cannot be established
```