SCRIPTING FUNDAMENTALS

ASSIGNMENT REPORT



Peter Kinyumu, cs-sa07-24067, May 20th, 2024.

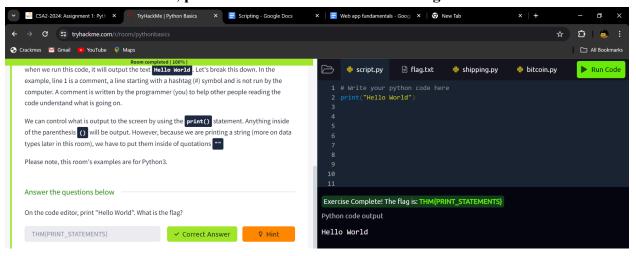
1. INTRODUCTION

This module teaches the basics of Python scripting. Python is a programming language often used by security analysts to create tools or quick scripts that can aid in hacking. The modules cover the basic constructs of the Python language, including variables, loops, functions, conditional statements, and file handling.

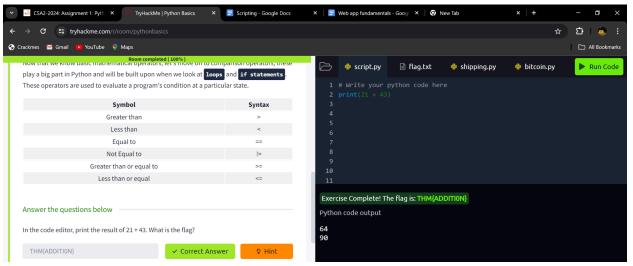
2. ANSWERS TO QUESTIONS

Hello World

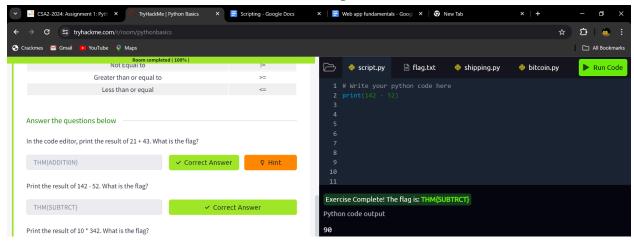
a. On the code editor, print "Hello World". What is the flag?



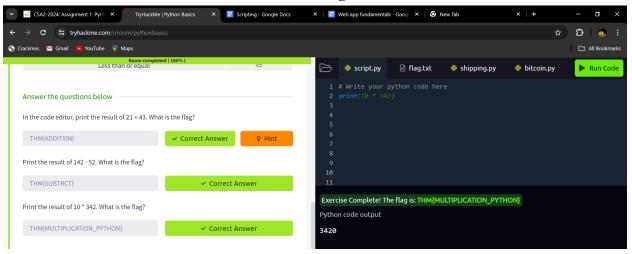
b. In the code editor, print the result of 21 + 43. What is the flag?



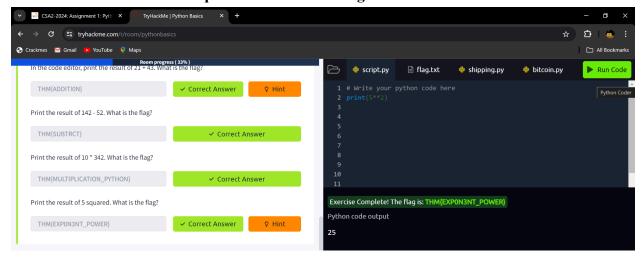
c. Print the result of 142 - 52. What is the flag?



d. Print the result of 10 * 342. What is the flag?

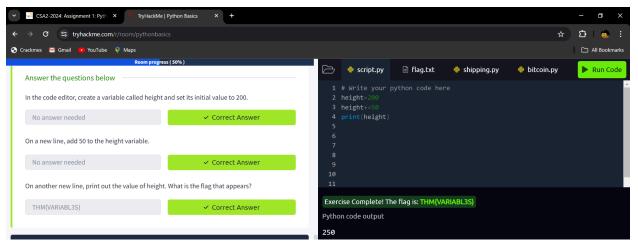


e. Print the result of 5 squared. What is the flag?



Variables

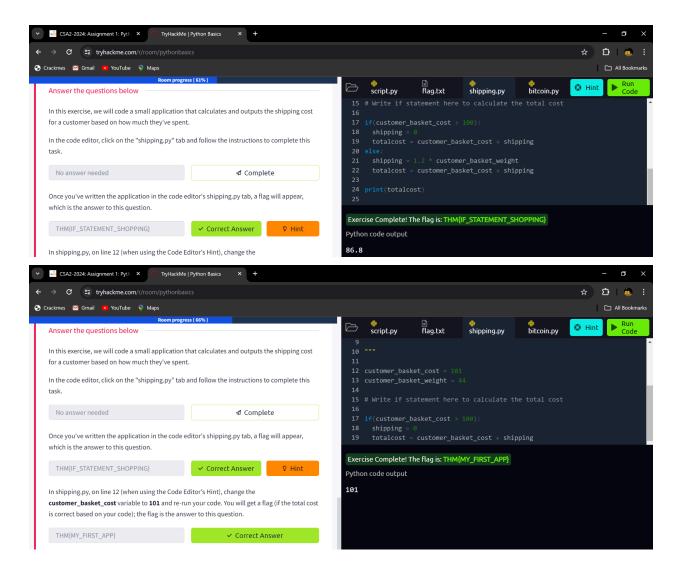
a. In the code editor, create a variable called height and set its initial value to 200.



Shipping Project

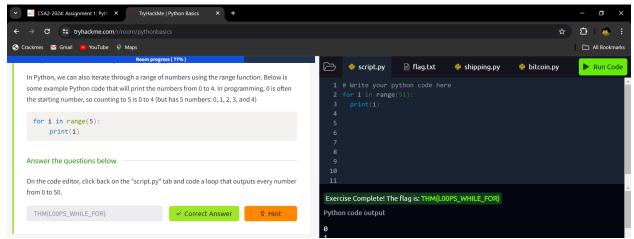
In this exercise, we will code a small application that calculates and outputs the shipping cost for a customer based on how much they've spent.

- a. Once you've written the application in the code editor's shipping.py tab, a flag will appear, which is the answer to this question.
- b. In shipping.py, on line 12 (when using the Code Editor's Hint), change the customer_basket_cost variable to 101 and re-run your code. You will get a flag (if the total cost is correct based on your code); the flag is the answer to this question.



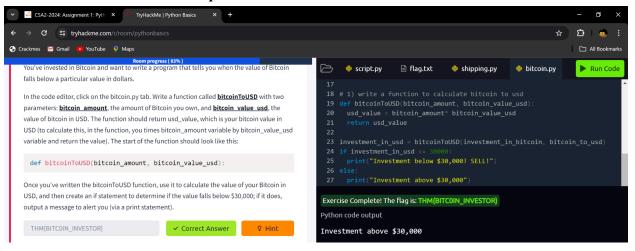
Loops

a. On the code editor, click back on the "script.py" tab and code a loop that outputs every number from 0 to 50.



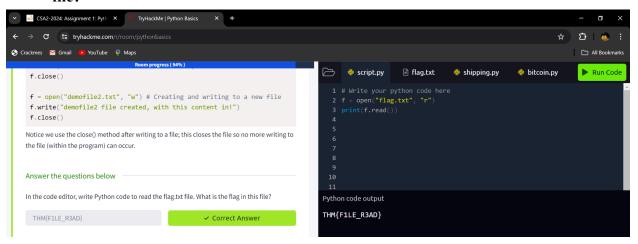
Bitcoin Project

a. You've invested in Bitcoin and want to write a program that tells you when the value of Bitcoin falls below a particular value in dollars.



File Read

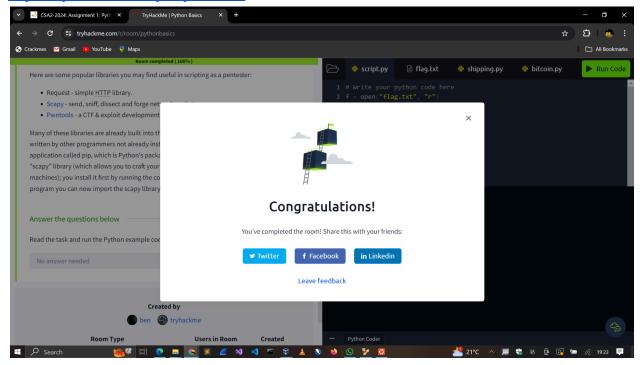
a. In the code editor, write Python code to read the flag.txt file. What is the flag in this file?



3. MODULE COMPLETION

Below is the link to my THM profile that displays rooms completed, including this room, is Python Basics.

https://tryhackme.com/p/c1ph3rbnuk



4. CONCLUSION

The assignment was very insightful. I learned the basics of scripting in Python, from conditional statements like **if___else** and control statements like **loops** to **functions**. I also learned how to handle files through opening, reading and writing into them. Lastly, I learned about libraries in Python and how to import them. I look forward to practising this knowledge by automating some of the processes along my journey as a security analyst.