

# CODE LAB I

## ASSESSMENT 1: Programming Skills Portfolio

Contribution towards overall module mark	40%
Date set	25 <sup>th</sup> September ,2024
Marked work returned by	Within 3 weeks of submission
DEADLINES	Deadline : Nov 1, 2024 – 23:59

## Assessment 1: Programming Skills Portfolio

<b>Students Name</b>	Vince Matthew C. Caballero
<b>Roll No</b>	4-24-027
<b>Assignment Brief</b>	<p>Exercise 1: Coding is Cool</p> <ul style="list-style-type: none"><li>Prints the string “Coding is Cool” using three variables.</li><li>Demonstrate string concatenation (and using f-strings).</li></ul> <p>Exercise 2: Simple Sums</p> <ul style="list-style-type: none"><li>Initializes two variables containing the numbers 8 and 10.</li><li>Another variable is the sum of the first two variables, which is printed onto the terminal.</li></ul> <p>Exercise 3: Biography</p> <ul style="list-style-type: none"><li>Create a dict named “biography” containing the keys “name,” “hometown,” and “age.”</li><li>The user is prompted to fill in the values of the keys, which will then be printed onto the console.</li></ul> <p>Exercise 4: Primitive Quiz</p>

- Quizzes the user about the capitals of 10 European countries.
- The score is tallied and shown to the user after the quiz.

#### Exercise 5: Days of the Month

- Prompts the user for a number corresponding to a month and returns the number of days in said month.
- If the month is February, the program will ask if it's a leap year. You may also simply enter a year (e.g. 2024), and it will do the math.

#### Exercise 6: Brute Force Attack

- Gives the user 5 attempts to enter the correct password to log into Batman's Batcave.
- If the user fails within 5 attempts, the program will (not) call the authorities.

#### Exercise 7: Some Counting

- Uses for loops to count with specific ranges.
- All loops are put into their own functions which can be called through a simple navigation menu.

#### Exercise 8: Simple Search

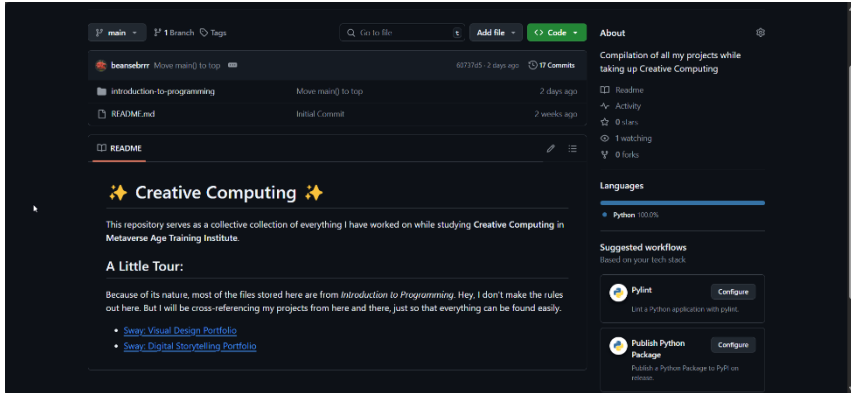

- Lets the user search for a specific name in a list.
- Added a function to add a new name, as well as to simply print out the whole list.

#### Exercise 9: Hello

- Created a hello() and main() function.
- hello() accepts an argument which will make the program greet a specific person.

#### Exercise 10: Is It Even

- Prompts the user for an int, and the program determines whether the int is odd or even.
- It can also check if the int is a prime number.

<b>GitHub Repository Name</b>	creative-computing
<b>GitHub Repository Link</b>	<a href="https://github.com/beansebrrr/creative-computing/introduction-to-programming/assessments/A1-programming-skills-portfolio">https://github.com/beansebrrr/creative-computing/introduction-to-programming/assessments/A1-programming-skills-portfolio</a>
<b>Repository Screen Shot</b>	
<b>Course Completion Certificate Link</b>	<a href="https://www.sololearn.com/certificates/CC-EBJNW2TD">https://www.sololearn.com/certificates/CC-EBJNW2TD</a>
<b>Course Completion Certificate Screenshot</b>	
<b>Other comments</b>	I have a lot of documentation in the assessment's README, it may be worth reading if you'd like to see my thought processes.