**Week 1: Introduction to Python and Basics I**

**Company Overview**

Remitly is a leading financial services company that aims to transform lives by providing trusted financial services that transcend borders. Since 2011, Remitly has been delivering on its promises to people who send money around the world. The company is reimagining global financial services and building products that extend beyond traditional barriers to give customers access to more services they need, regardless of where they call home.

**Objective**

The objective of this assignment is to implement a simple currency conversion program using basic Python concepts. This task will help you understand the fundamentals of Python, including variables, data types, input/output operations, and string manipulation.

**Assignment Task**

**Remitly Currency Converter Program**

1. **Create and Name the Script**:
   * Create a Python file named remitly\_currency\_converter.py.
2. **Introduction to Python**:
   * At the beginning of the script, include a comment that provides a brief explanation of Python’s history, its applications, and its advantages.
3. **Writing the Currency Converter Program**:
   * Display a welcome message using the print() function.
   * Prompt the user to enter an amount in USD using the input() function.
   * Convert the input to a float to ensure proper calculations.
   * Define variables for exchange rates:
     + 1 USD = 0.85 EUR
     + 1 USD = 0.74 GBP
     + 1 USD = 82.50 INR
   * Calculate the equivalent amounts in EUR, GBP, and INR using basic arithmetic operators.
   * Use string formatting to display the results neatly, rounding to one decimal place.

**Example output:**

Welcome to Remitly's Currency Converter!

Please enter the amount in USD: 100

100.0 USD is equivalent to:

85.0 EUR

74.0 GBP

8250.0 INR

Thank you for using Remitly's Currency Converter!

* + Display a thank you message at the end.

1. **Additional Comments and Documentation**:
   * Add comments throughout your script to explain each step, ensuring your code is easy to follow.
   * At the end of your script, add a multi-line comment that outlines three potential ways Python could be used in Remitly's operations.

**Implementation Guidelines**

* Use variables of appropriate data types (float for currency values, string for user input).
* Implement basic arithmetic operators for currency conversion.
* Employ type conversion to handle user input.
* Utilize the input() and print() functions for user interaction.
* Apply string formatting to display results neatly, rounding to one decimal place.

**Submission Instructions**

1. Implement all tasks in a single file named remitly\_currency\_converter.py.
2. Include comments and documentation within the script to explain the code.
3. Create a README.md file that includes:
   * A short explanation of how your script works.
   * Any challenges you faced during implementation and how you overcame them.
4. Commit and push your changes to GitHub.

**Evaluation Criteria**

* Correct implementation of Python syntax and basic concepts.
* Proper use of variables, data types, and operators.
* Accurate type conversion and input handling.
* Clear comments and documentation in the code.
* Correct formatting of output, including rounding to one decimal place.