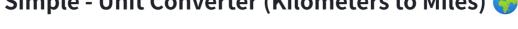
Python_Activity15

Activity 1: Simple - Unit Converter (Kilometers to Miles) 🌎



Objective:

This activity helps students practice defining and using functions by creating a simple unit converter that converts kilometers to miles.

✓ Instructions:

- 1. Create a function named convert_km_to_miles(km) that:
 - Accepts a distance in kilometers.
 - Converts it to miles using the formula: 1 km = 0.621371 miles.
 - Returns the converted distance.
- 2. In the main() function:
 - Ask the user to input a distance in kilometers.
 - Call the convert_km_to_miles() function.
 - Display the converted result.
- 3. Include error handling so the program does not crash if the user enters invalid input.

Activity 2: Challenging - Library Management System 🚛

🖈 Objective:

This activity requires students to work with functions, dictionaries, and loops to simulate a library system where users can view available books, borrow books, and return books.

Instructions:

- 1. Create a dictionary named books where:
 - The **keys** are book titles.
 - The values are True (available) or False (borrowed).
- 2. Implement the following functions:

- view_books(): Displays books that are available for borrowing.
- borrow_book(title): Marks a book as borrowed if available.
- return_book(title): Marks a borrowed book as available again.

3. In the main() function:

- Create a loop with a **menu system** that allows the user to choose options:
 - 1 → View available books.
 - 2 → Borrow a book.
 - 3 → Return a book.
 - 4 → Exit the program.
- Prompt the user for their choice and call the respective function.
- Ensure input validation to handle invalid book titles.