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Python Greeting Program

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Author: Agaba Richard

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Instructor: Mr Mosh

Description:

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This is a simple Python program designed to greet the user, calculate their birth year,

and handle basic user input. The program performs the following tasks:

1. Prompts the user to enter their name and greets them with a personalized message.

2. Asks the user to enter their age and calculates the year they were born, considering

the current year as 2024.

3. Implements basic error handling to manage non-numeric inputs for age.

Features:

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- Greets the user by their name.

- Calculates the birth year based on the age provided.

- Uses a try-except block for error handling to ensure smooth execution.

Instructions:

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1. Run the script in a Python environment (e.g., terminal or command prompt).

2. Follow the prompts to enter your name and age.

3. The program will display a personalized greeting and your estimated birth year.

4. If a non-numeric value is entered for age, an error message will be shown.

Usage:

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To execute the program, run the following command in the terminal:

python greet\_user.py

Example Output:

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Welcome to Computer Science class!

Please enter your name: Richard

Hello, Richard! Nice to meet you.

Please enter your age: 20

You were born in the year 2004.

Example Error Handling:

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Welcome to Computer Science class!

Please enter your name: Richard

Hello, Richard! Nice to meet you.

Please enter your age: twenty

Invalid input! Please enter a numeric value for age.

Code Explanation:

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1. The program begins with a welcome message.

2. It prompts the user to enter their name using the `input()` function and stores it in the `name` variable.

3. It then displays a personalized greeting using an f-string.

4. Next, the program asks for the user's age. The input is converted to an integer.

- If the input is not a valid integer, a `ValueError` is raised, and the user is informed of the invalid input.

5. The birth year is calculated by subtracting the user's age from the current year (2024) and displayed.

Error Handling:

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- The program uses a try-except block to handle `ValueError` exceptions that occur when

a non-numeric value is entered for the age.

- If an error occurs, an appropriate message is displayed to the user without terminating

the program unexpectedly.

Conclusion:

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This program demonstrates basic Python skills, including variables, input handling,

conditional execution, and error handling. It serves as an introductory example for

learning user interaction in Python scripts.