Beginner Python Practice Questions

May 28, 2025

1. **Age Calculator**
   Goal: Create a program that calculates a person's age based on their birth year.
   Hints:

   - Ask the user to input their birth year.
   - Use the current year (you can hardcode it or use the `datetime` module).
   - Subtract the birth year from the current year and display the result.

2. **Simple Interest Calculator**
   Goal: Build a program that calculates the simple interest earned on a deposit.
   Hints:

   - Ask the user to input principal amount, rate of interest, and time in years.
   - Use the formula: $SI = \frac{P \times R \times T}{100}$.
   - Display the simple interest with appropriate formatting.

3. **BMI Calculator**
   Goal: Create a program to calculate Body Mass Index (BMI).
   Hints:

   - Ask the user to input their weight (in kg) and height (in meters).
   - Use the formula: $BMI = \frac{\text{weight}}{\text{height}^2}$.
   - Print the BMI value with a message indicating the weight category (e.g., underweight, normal, overweight).

4. **Currency Converter**
   Goal: Write a program that converts an amount from one currency to another.
   Hints:

   - Ask the user to input the amount in their local currency.
   - Use a fixed exchange rate (e.g., 1 USD = 132 NPR).
   - Convert and display the amount in the target currency.