

Python Exercises: Variables & Formatted Strings

1. Simple Profile

Create a Python program that stores your name, age, and school in variables. Then print them in the following format:

My name is Ishara. I am 18 years old. I study at Central College.

2. Rectangle Area and Perimeter

Write a program that stores the length and width of a rectangle in variables. Then calculate and print the area and perimeter using formatted strings:

Length = 10, Width = 5

Area = 50

Perimeter = 30

3. Currency Converter

Create a program that stores an amount in Sri Lankan Rupees (LKR). Convert it into US Dollars (USD) using a fixed rate (e.g., 1 USD = 300 LKR). Display the result like this:

5000 LKR is equal to 16.67 USD

4. Exam Marks Report

Store the marks of three subjects in variables: ICT, Mathematics, English. Then calculate the total and average. Print the output in a formatted way:

ICT = 85, Mathematics = 90, English = 78

Total = 253

Average = 84.33

5. BMI Calculator (Basic)

Ask the user (or just store in variables) their weight (kg) and height (m). Calculate the $BMI = \frac{\text{weight}}{(\text{height} * \text{height})}$. Print the result neatly:

Weight = 60kg, Height = 1.65m

BMI = 22.04