Python Basics and Fundamentals

Task 1 : Hello World

Write a Python program to print **"Hello, World!"** to the terminal .

Task 2 : Print Your Name

Write a program that prints your name to the terminal.

Task 3 : Print Name and Age on Separate Lines

Write a program to print your name and age to the terminal in separate lines.

Task 4 : Declare and Use Different Data Types

Declare variables of different data types **(string, integer, float, boolean)** and perform basic operations on them.

Task 5 : Print Message

Modify the program to print a message that **combines your name and age** in a single line using string concatenation.

Task 6 : Declare Variables

Declare variables for your name and age, and print them to the terminal.

Task 7 : Perform Mathematical Operations

Write a program that calculates and prints the result of all basic mathematical operations. Declare variables for the operands and perform **addition, subtraction, multiplication, and division**.

Task 8 : Print a Simple Pattern

Write a program to print a simple pattern using asterisks:

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Task 9 : Declare and Modify Variables

Declare a variable name and assign it a string value. Declare a variable age and assign it a numerical value. Declare a variable **isStudent** and assign it a boolean value.

- Print the value of each variable to the terminal.
- Change the value of the name variable to another string. Increment the value of the age variable by 1. Toggle the value of the **isStudent** variable (**from true to false or vice versa**).

Task 11 : Store and Print Personal Details

Write a program to store and print the following details using separate variables:

- **name** (String)

- **age** (Integer)

- **dob** (Date of Birth - String or Date format)

- **height** (Float)

- **weight** (Float)

- **degree** (String)

- **gender** (String)