

## **\*\*Python Homework - Basics for Beginners\*\***

### **Lesson 1**

#### **\*\*Part 1: Theory Questions\*\***

1. Define the following terms:

- Variable
- Syntax
- Algorithm
- IDE (Integrated Development Environment)
- Compiler
- Interpreter

2. Explain the difference between a compiler and an interpreter. Give examples of programming languages that use each.

3. Describe the steps involved in writing and executing a Python program using an IDE.

#### **\*\*Part 2: Coding Problems\*\***

Create 5 variables and assign different values to these 5 variables.

Use arithmetic operators and print out the result.

Example: `num3 = num1 + num2`