**Worksheet 1: Variables, Expressions, and Assignments**

**Objective**: Understand and apply Python variables, expressions, and assignments.

**Estimated Time**: 30 minutes

1. **Introduction (5 minutes)**:
   * Define what a variable is in Python.
   * Explain how variables can store different data types like integers, floats, and strings.
   * Give examples of basic expressions (e.g., addition, subtraction, multiplication, division).
2. **Activity 1: Simple Calculations (10 minutes)**:
   * Create two variables x and y, assign them values (e.g., 5 and 10).
   * Perform different operations: addition, subtraction, multiplication, division, and modulus.
   * Output the results of these operations using the print() function.
3. **Activity 2: Working with Variables (10 minutes)**:
   * Assign a string to a variable (e.g., name = "Alice").
   * Concatenate strings using the + operator.
   * Change variable values and observe how it affects the program.
4. **Reflection Questions (5 minutes)**:
   * What happens when you try to add an integer and a string?
   * Can a variable change types after being assigned?