**Python Basics Assignment**

**Variables and Data Types**

1. Write a Python script to accept a user's name and print a greeting using that name.
2. Create a program that asks the user for their age and calculates the year they were born.
3. Write a Python script that converts the temperature from Celsius to Fahrenheit based on user input.
4. Develop a Python program that reads two numbers and prints their sum, difference, and product.
5. Ask the user to input a length in centimeters and convert it to inches (1 inch = 2.54 cm).

**Basic Operators**

1. Create a Python program to calculate the area of a rectangle given its length and breadth entered by the user.
2. Write a script that calculates the square of a number entered by the user.
3. Develop a program that divides two numbers input by the user and displays the quotient and remainder.
4. Write a program to calculate the average of five numbers entered by the user.
5. Create a calculator that accepts three numbers: the first two are numbers to operate on and the third is the operation (1 for addition, 2 for subtraction, 3 for multiplication, 4 for division).

**Practical Applications**

1. Write a script that asks the user for a number of kilometers driven and the liters of fuel used and calculates the car's fuel consumption in liters per 100 kilometers.
2. Create a program to calculate the gross salary of an employee. The user inputs basic salary, and the script should add a 25% house rent allowance and 15% transport allowance.
3. Develop a script to compute the final amount to be paid after applying a 12% discount on a tagged price entered by a user.
4. Write a Python script that converts the time in hours and minutes to seconds, based on user input.
5. Ask the user for the radius of a circle and compute the circumference (C = 2 \* π \* r, take π = 3.14159).

**Logical Problems**

1. Write a program where the user enters a number, and the script determines if it is even or odd.
2. Create a Python script that checks whether the entered year is a leap year.
3. Develop a program that takes two integers and prints which one is larger, or prints "Both are equal" if they are the same.
4. Write a script that accepts a letter from the user and checks if it is a vowel or consonant.
5. Ask the user to enter three numbers and print them in descending order.