Laboratory Activity No. 2.2	
Literals, Operators, and Variables-Supplementary Activity	
Course Code: CPE103	Program: BSCPE
Course Title: Object-Oriented Programming	Date Performed: 02 – 01 - 25
Section: 1 - A	Date Submitted: 02 – 07 - 25
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1. Objective(s):

1. Implement literals, operators, and variables in a Python program.
2. Understand how different types of literals and operators function in Python.

2. Intended Learning Outcomes (ILOs):

1. Write a simple program implementing literals, operators, and variables. 2.
Use comments and identify keywords from identifiers created by users.

3. Discussion:

Literals, operators, and variables are the basic components of any Python program. Literals include fixed values such as text and numbers while variables hold data, and the operator is used to manipulate the variable. In this exercise, I'll make a simple program to process the grades of students using these concepts.

4. Materials and Equipment:

1. Desktop Computer with Anaconda Python / Python Colab
2. Windows Operating System

5. Procedure:

1. Open Python or Google Colab.
2. Create a script that uses literals, variables, and operators.
3. Write a program that takes student names and grades, computes the final grade, and converts it to UCC's grading system

6. Supplementary Activity:

1. Test 3 students from the program you created.
2. The program should show the name of the student, the PRELIM, MIDTERM and FINAL grades.
   FOR 1 & 2 PLEASE REFER TO THIS LINK:
   https://colab.research.google.com/drive/1pMS5UAHg5lqdFqhFmJqNzC2vkfAifZnM?usp=sharing
3. Convert the final grade into the UCCs numerical grade. Please refer to the grading system.
   PLEASE REFER TO THIS
   LINK:https://colab.research.google.com/drive/1pMS5UAHg5lqdFqhFmJqNzC2vkfAifZnM?usp=sharing

7. Questions

1. How does the program compute the final grade?
- It averages the PRELIM, MIDTERM, and FINAL grades, then converts it using UCC grading system.
2. What happens if a user enters an invalid grade?
- The program asks the user to re-enter a valid grade within the accepted range.

8. Conclusion

Through this activity, I was able to understand literals, operators, and variables by implementing a simple Pyt program. These were used for processing student grades and converting it into UCC's grading system. Overall objectives were met and this exercise would give a very good hands-on opportunity to discover how Python w handle data both efficiently and effectively.