Training Day 2 Report

Date: 20 June 2025

The second day of the Data Science Course continued with the "Python Concepts". The session bridged with more concepts of python programming language to get more details about the language and for easy analysis of data. The trainer emphasized practical understanding, consistent practice, and clarity of core concepts for efficient learning.

1. **Operators in Python**
   The class start with the operators in python in which we get to know about different types of operators present which perform different functions. Various operators discussed were Arithmetic, Relational, Logical, Assignment, Identity and Membership operators.
   Concept of Floor Division also taught in which we divide two numbers and rounding down the result to the nearest whole number(integer).
   Also, the modulus operator (%) also works with float values returns the remainder after division, just like with integers.

2. **Flow Control Statements**
   Concept of flow control were introduced after operators. Difference between control and flow control was discussed. Different types of flow control statements were taught i.e. Decision/ Selection control statement like if, if else, if elif else, nested if. Their significance while making the program and the structure of the flow was also discussed. The syntax of all these control flow statements make it easy for the students to understand the concept efficiently.

3. **Introduction to Strings**
   Later on Strings were introduced in the session. All the string methods were taught and all types of strings were discussed in the session. Strings are important things in the python program, without strings the program is not sufficient enough for the efficient working.

4. **Practice Questions**
   All types of questions were practiced during the session related to the different types of operators, different flow control statements and the string operations. A program to develop a calculator was also performed during the session and many other questions were also practiced to clear the doubts of the participants.

At last, the doubt session was held to clear the doubts of the participants by the trainer regarding the session.