Training Day 3 Report

Date: 23 June 2025

The third day of the Data Science Course started with the iterative control flow statements. The session bridged with other concepts like the standard codes of python, some new functions, statements and the practice questions. The trainer emphasized practical understanding, consistent practice, and clarity of core concepts for efficient learning.

1. ****Iterative Control Statements****
   The class start with these control flow statements with the help of which we can iterate through our program multiple times. Loops such as for loop, while loop are discussed and also the nested loops using for, while loop. Flowcharts were also shown of the loop for easy understanding. range() function which is used to create a sequence, which can be iterated over using a loop.

2. ****Transfer Statements****
   There are two transfer statements i.e. pass and else. The pass statement is used when a statement is syntactically required, but no action is needed. It is a null operation and nothing happens when it is executed.
   We can use else keyword also with loops (both while and for). The else block of a loop will execute only if the loop is not terminated by a break statement.

3. ****Functions in Python****
   Concepts regarding the functions in python were discussed, how to create function, different syntax to create a function, types of functions: pre-defined and user-defined functions. Different ways to call a function i.e. Default arguments, Keyword arguments, Variable length arguments and variable length keyword arguments were also discussed in the session.

4. ****Practice Questions****
   All types of questions were practiced during the session related to loop, transfer statements and different types of functions.

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