**Day 2 — 20 June 2025 (Friday)**

**Topic: Python Basics — Syntax, Variables, Datatypes & I/O**

We started learning the Python programming language, which will be used to build our Machine Learning project. The trainer explained why Python is preferred for AI/ML — due to its simplicity, huge library support, and readability. We practiced basic Python syntax, input-output functions, data types (integer, float, string, boolean), and variable declaration. We also executed programs using loops (for, while) and conditional statements (if-else) to understand flow control. Several short coding exercises were solved to build logical thinking, and the trainer highlighted how clean coding habits support real ML development. Overall, today gave me a strong programming foundation necessary for future ML tasks.

**Example Code Practiced:**

name = input("Enter your name: ")

for i in range(3):

print("Welcome", name, "- You are learning Python!")