Python Foundations (Beginner) – Teaching Notes

1. What is Python?
Python is a high-level, interpreted, and general-purpose programming language used for web development, data science, AI, automation, and more.

Why Python?
Easy syntax, beginner-friendly, open-source, large community.

2. Installing Python & IDE
Download Python from python.org and install an IDE like VS Code or PyCharm.

3. Variables & Data Types
Variables store data. Common data types: int, float, string, boolean.

4. Input / Output
Use print() for output and input() to take user input.

5. Comments & Syntax
Use # for comments. Python uses indentation instead of brackets.