

Python Training – Day 2

1. GitHub Commands – Basics

- Git is used to manage versions of your code.
- Common Git commands:

`git init` # Initialize Git in your folder

`git status` # Check current status

`git add .` # Add all files to staging

`git commit -m "Message"` # Save changes with a message

`git remote add origin <repo-link>` # Connect to GitHub repo

`git push -u origin main` # Push code to GitHub

2. How to Connect Git with Folder

- Open your folder in VS Code.
- Open terminal in VS Code.
- Run these commands:

`git init`

`git add .`

`git commit -m "Initial commit"`

`git branch -M main`

`git remote add origin <your-repo-link>`

`git push -u origin main`

- Your folder is now connected to GitHub.

3. Introduction to Python

- Python is a high-level, easy-to-learn programming language.
- It is used in web development, data science, automation, AI, etc.
- Python uses simple syntax like plain English

4. Basics of Python – Topics Covered

- **Variables** – Used to store values like numbers, text, etc.
- **Data Types** – Includes string, integer, float, boolean, etc.
- **Input and Output** – input() takes user input, print() displays output
- **Comments** – Notes in code, ignored during execution (using #)
- **Arithmetic Operators** – Perform math operations like +, -, *, /
- **Comparison Operators** – Compare values (==, !=, >, <, etc.)
- **Logical Operators** – Used to combine conditions (and, or, not)
- **Type Conversion** – Convert one data type to another (int to str, etc.)
- **Basic Error Fixing** – Identify and correct simple coding mistakes