# Day 9 - Python Training

Today was a very informative session where we focused on setting up the development environment for Python projects and learning how to interact with online platforms like GitHub.

Key Topics Covered:

- **Understanding Virtual Environments:**
  We discussed the importance of virtual environments in Python. They help isolate project-specific dependencies and avoid conflicts between different packages used in various projects.

- **Creating and Activating Environments:**
  We learned how to create a new Python environment and activate it. This made it easier to understand how to start fresh for each project with only the required libraries.

- **Using pip (Python Package Installer):**
  The session introduced pip, Python's tool for installing packages. We practiced installing, updating, and removing modules. We also learned how to check the list of currently installed packages.

- **Working with Modules and Libraries:**
  We explored the purpose of using external libraries and how to manage them efficiently using pip. This included downloading useful packages like requests.

- **Directory and File Handling in Python:**
  We learned how to create folders, navigate directories, and manage file paths using Python. This included organizing files within a project structure.

- **Fetching Data from GitHub using requests Module:**
  We were introduced to APIs and how Python can interact with web services. Using the requests module, we fetched user data from GitHub. This helped us understand how to access and process external data from the internet.

- **Practical Program to Get GitHub User Info:**
  A program was written to send a request to GitHub's API and display useful information like username, number of repositories, etc., based on the provided GitHub profile link.