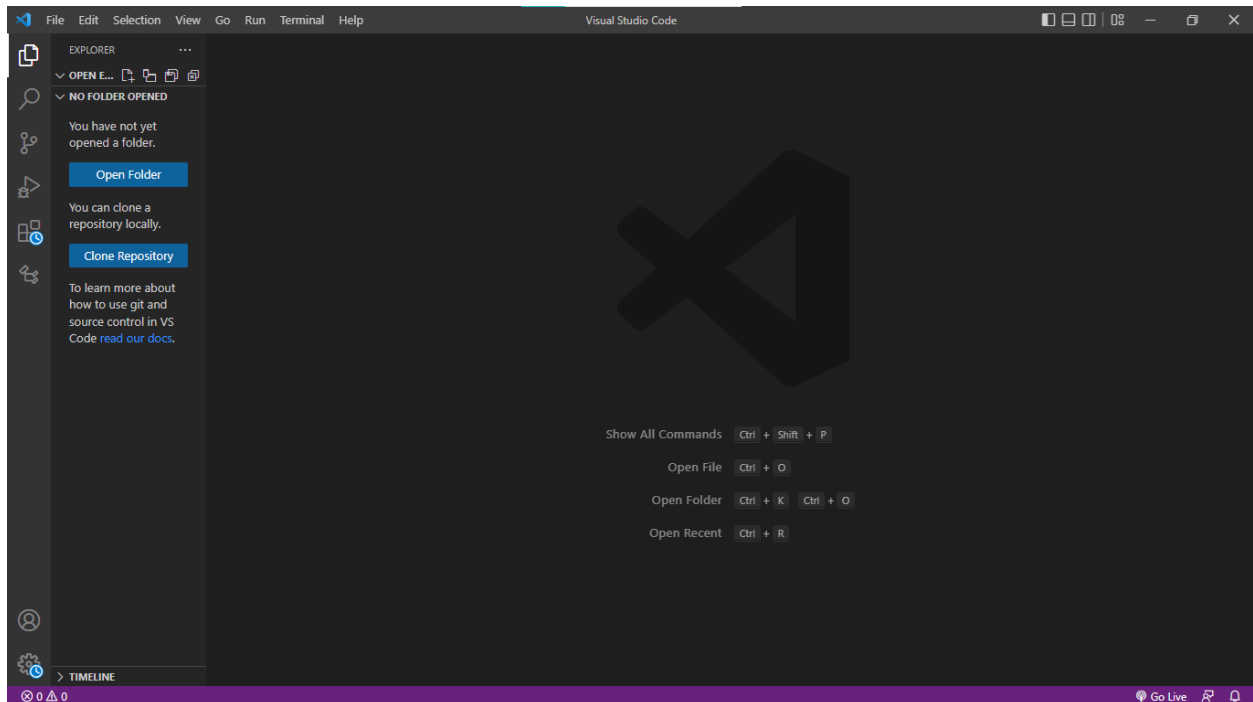# Developer Environment Setup Documentation

Operating System:

- **Selected OS:** Windows 11
- **Installation:** Installed Windows 11 on the target machine.

Text Editor/IDE:

- **Selected IDE:** Visual Studio Code
- **Installation:**
  - Downloaded Visual Studio Code from visual studio code website
  - Followed the installation instructions provided on the website to install Visual Studio Code.

Version Control System:

- **Version Control System:** Git
- **Installation:**
  - Downloaded Git from Git website.
  - Followed the installation instructions provided on the website to install Git.
- **Configuration:**

- Configured Git with username and email using the following commands:

- **GitHub Account:**
  - Created a GitHub account for hosting repositories.

Programming Language and Runtimes:

- **Programming Language:** Python
- **Installation:**
  - Downloaded Python from Python website.
  - Installed Python on the system, ensuring the option to add Python to the system PATH was selected during installation.
- **Package Manager:**
  - Used pip, which comes bundled with Python installations from version 3.4 onwards.
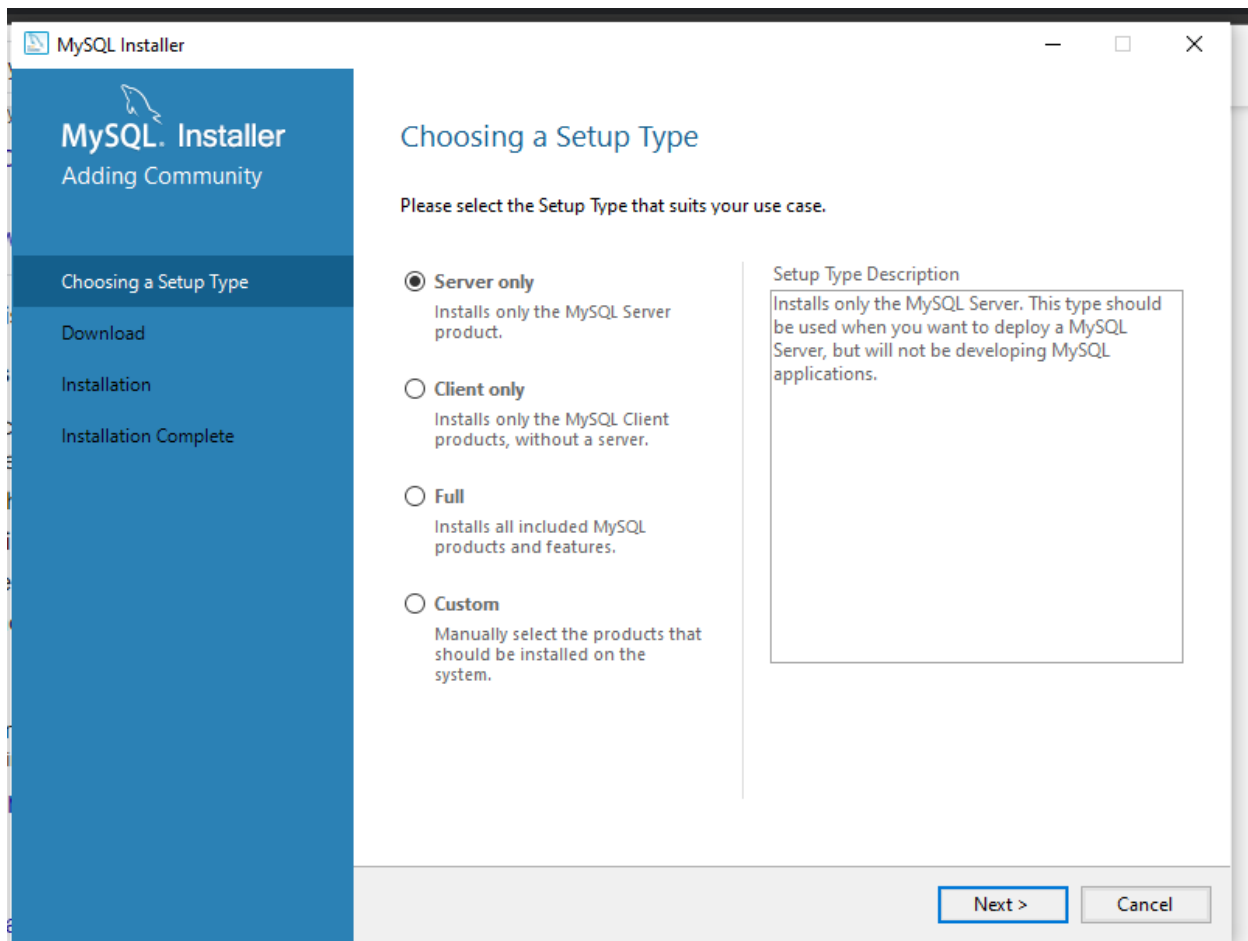

Database:

- **Database Management System:** MySQL
- **Installation:**
  - Downloaded MySQL from MySQL website.
  - Followed the installation instructions provided on the website to install MySQL.
- **Configuration:**
  - Set up root password during installation.

Development Environments and Virtualization:

- **Virtualization Tool:** Docker (Optional)
- **Installation:**
  - Downloaded Docker Desktop from Docker website.
  - Followed the installation instructions provided on the website to install Docker Desktop.

Extensions and Plugins:

- **Extensions for Visual Studio Code:**
  - Explored available extensions through the Extensions view in Visual Studio Code.
  - Installed extensions for Python, Git integration, MySQL, and Docker support as needed.