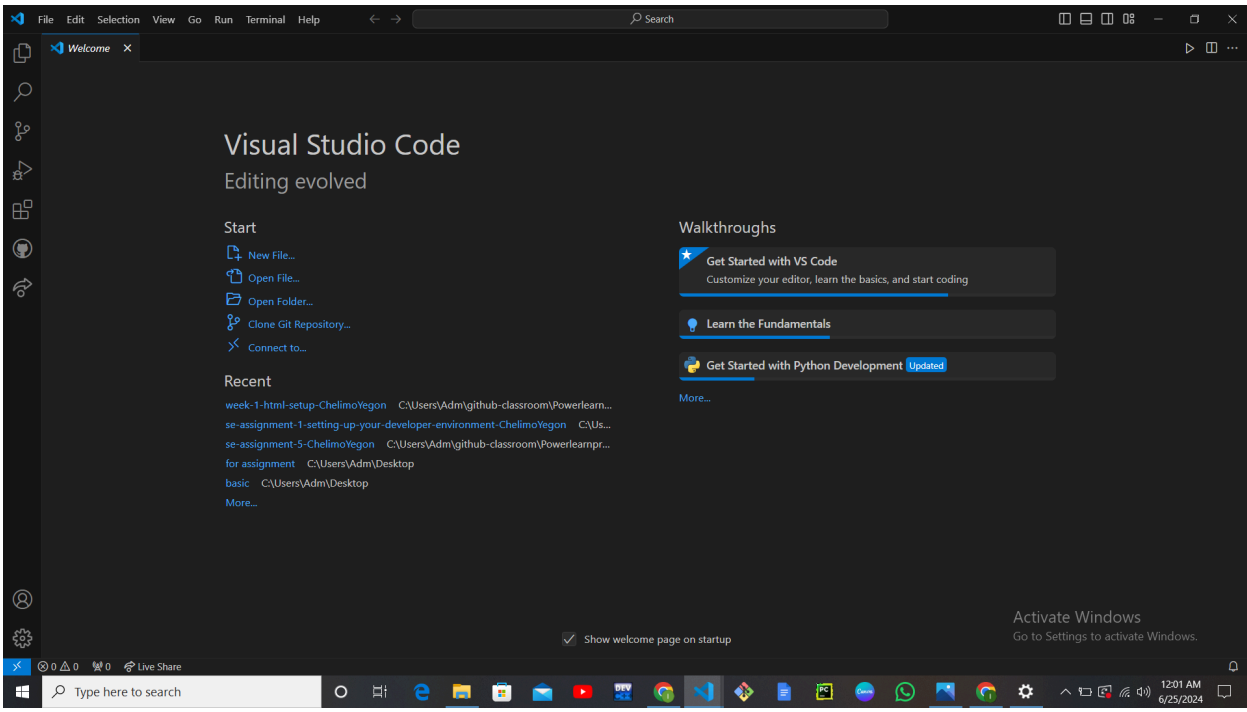
1. Choose and Install Your Operating System: Windows 11

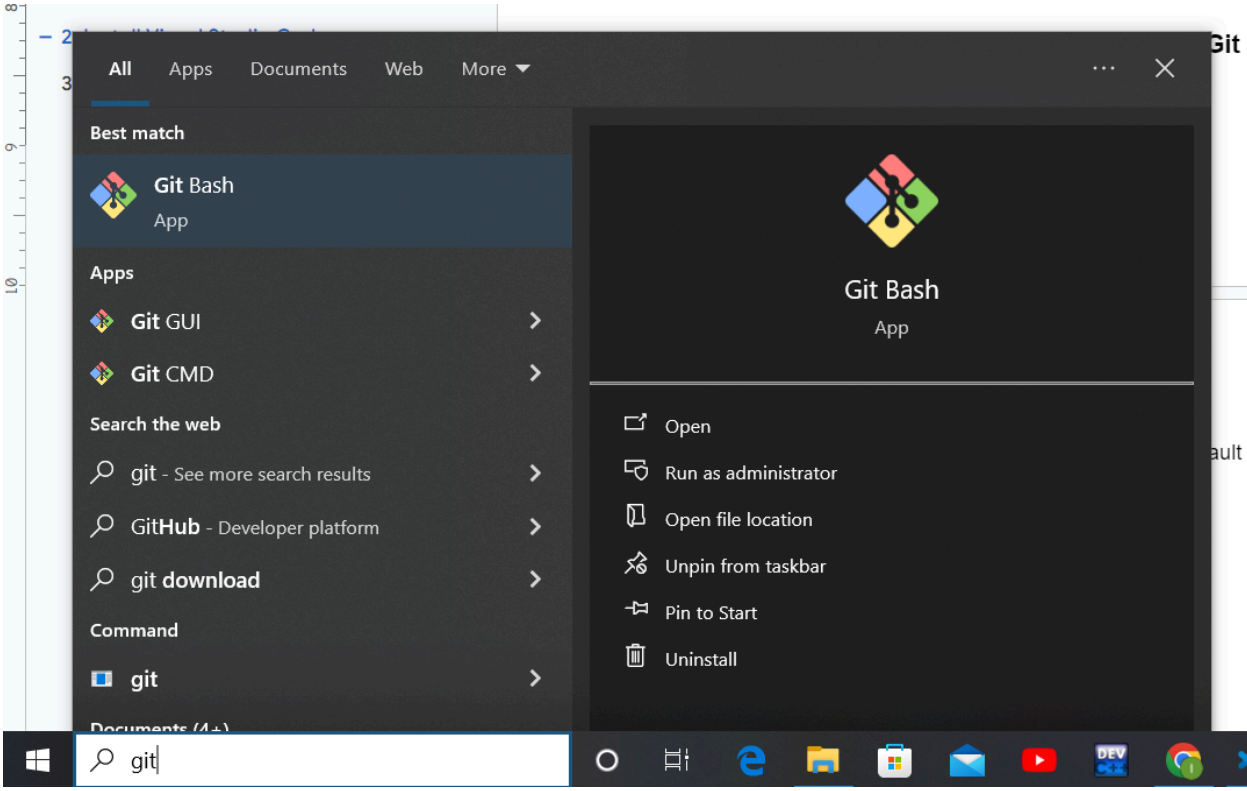
1. **Download Windows 11:**
    - Go to the Windows 11 Download Page.
    - Click on "Download Now" and follow the instructions to create a bootable USB or install directly.
2. **Install Windows 11:**
    - Follow the installation prompts to complete the setup on your machine.
    - Ensure you have a Microsoft account to sign in and access all features.

2. Install Visual Studio Code

1. **Download Visual Studio Code:**
    - Go to the Visual Studio Code.com
    - Choose Windows(choose according to your os)
2. **Install Visual Studio Code:**
    - Run the downloaded installer and follow the setup wizard.
    - Launch Visual Studio Code after installation completes.
    - Also ,check the environment variables if the IDE has been added to user path
    - Mine is successfully installed
    - 

3. Set Up Version Control System with Git and GitHub

1. **Install Git:**
    - Go to the Git Downloads Page.

- Download and run the installer. Follow the default settings
- 

- Successfully installed,remember as dev to run as administrator always.

Configure Git:

- Open Git Bash (installed with Git).
- Set your username and email

Create a GitHub Account:

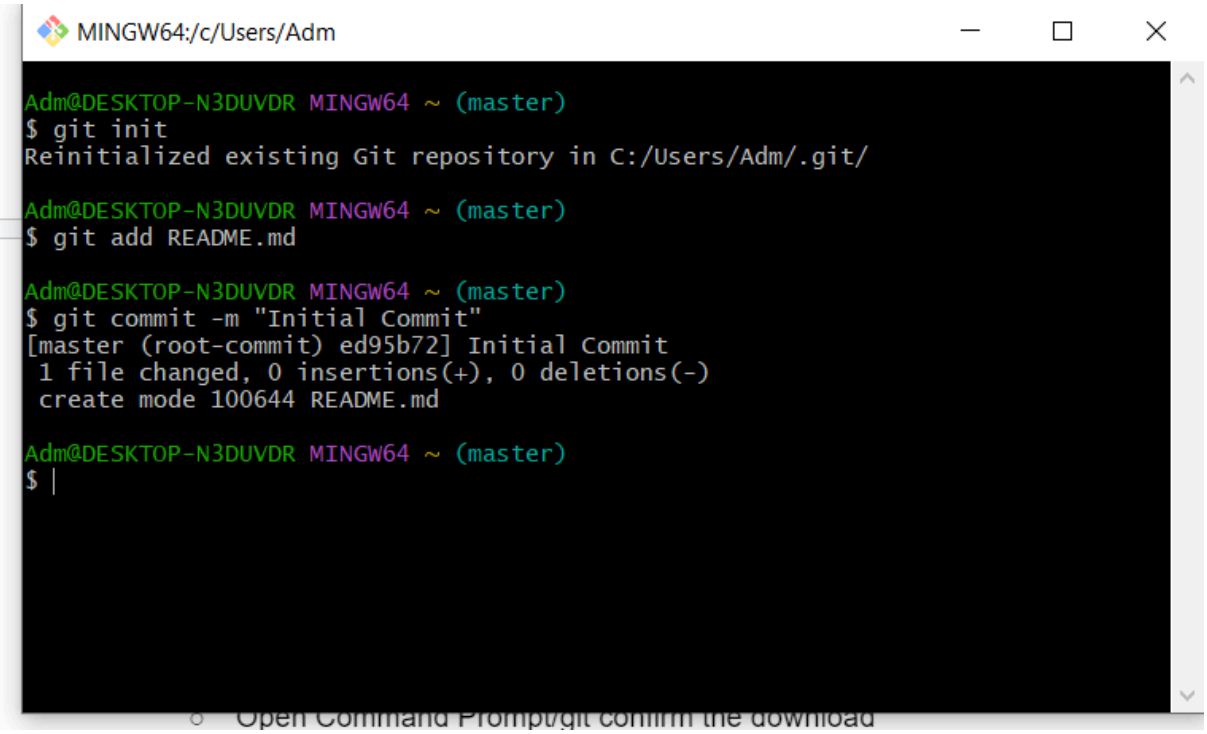
- Go to GitHub and sign up for a free account.

Initialize a Git Repository:

- Navigate to your project directory in Git Bash.
- Initialize a new repository
  - Create a README file and make your first commit

Push to GitHub:

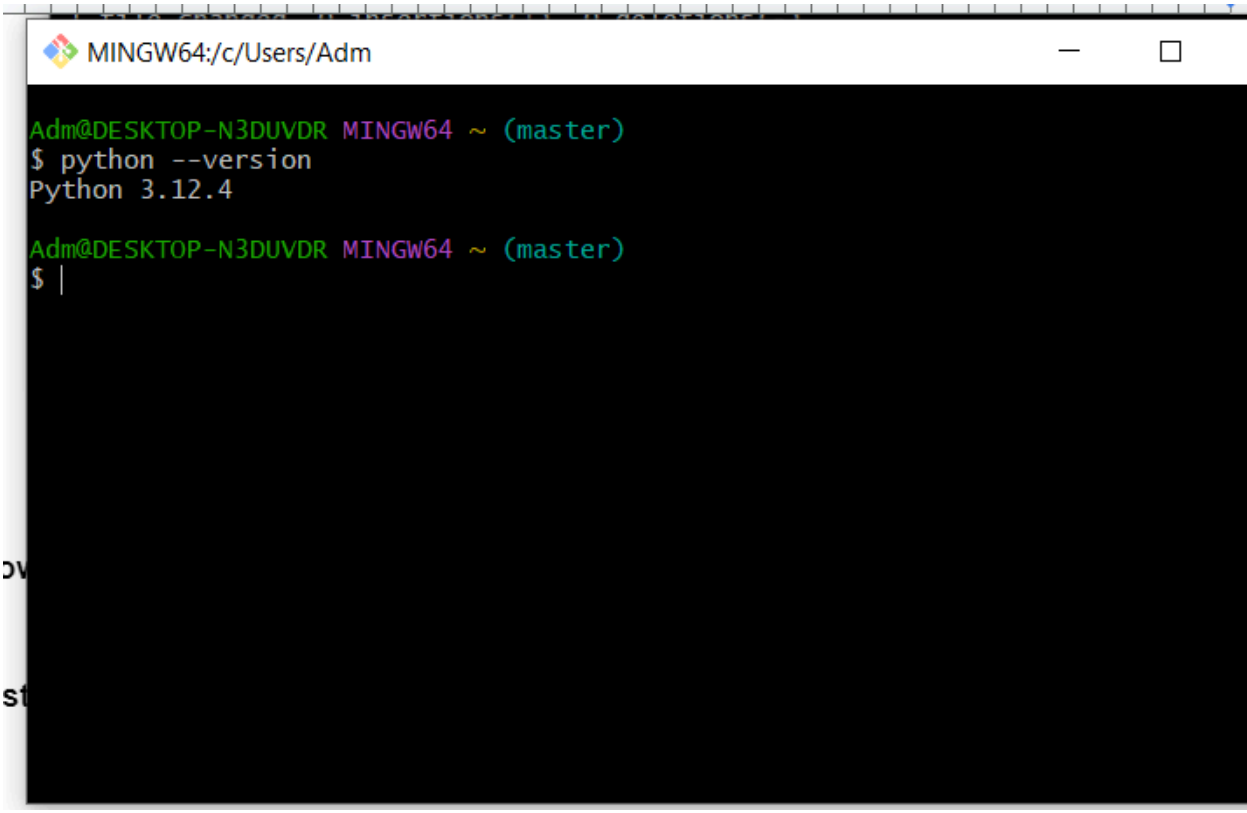
- Create a new repository on GitHub.
- Follow the instructions provided by GitHub to link your local repository and push your code:



- ○ Open Command Prompt/git confirm the download

Install Python

1. **Download Python:**
   - Go to Python.org.
   - Download the latest installer.
2. **Install Python:**
   - Run the installer and ensure you check the box that says "Add Python to PATH".
   - Follow the installation prompts.
3. **Verify Installation:**
   - Open Command Prompt/git confirm the download



5. Install MySQL

2. **Download MySQL:**
   - Go to the MySQL.com .
   - Download the MySQL Installer.
3. **Install MySQL:**
   - Run the installer and follow the setup wizard.
   - Choose the setup type (Developer Default is recommended).
   - Configure MySQL Server and remember the root password you set.

7. Explore Extensions and Plugins for Visual Studio Code

1. **Install Extensions:**
   - Open Visual Studio Code.
   - Go to the Extensions view by clicking on the Extensions icon in the Activity Bar.
   - Search for and install extensions such as:
     - Python
     - Node.js
     - Prettier
     - Dart
     - Flutter