

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.

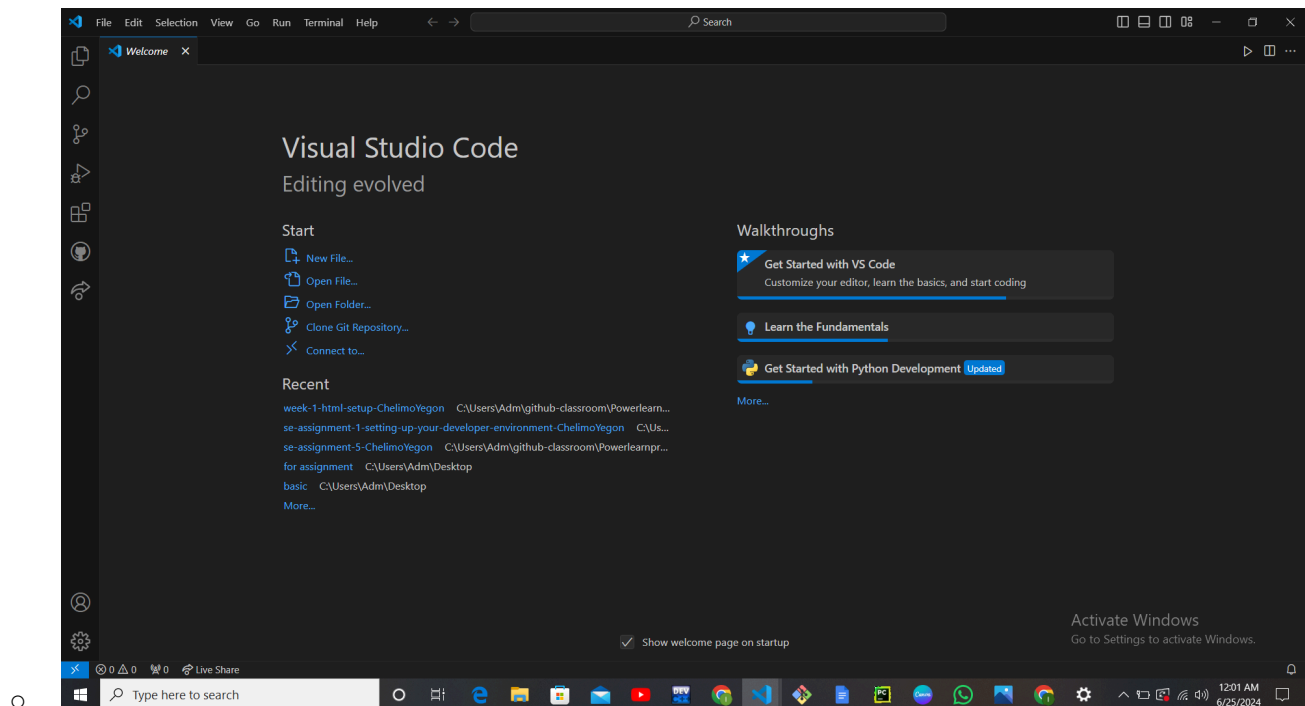
2. Install Visual Studio Code

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

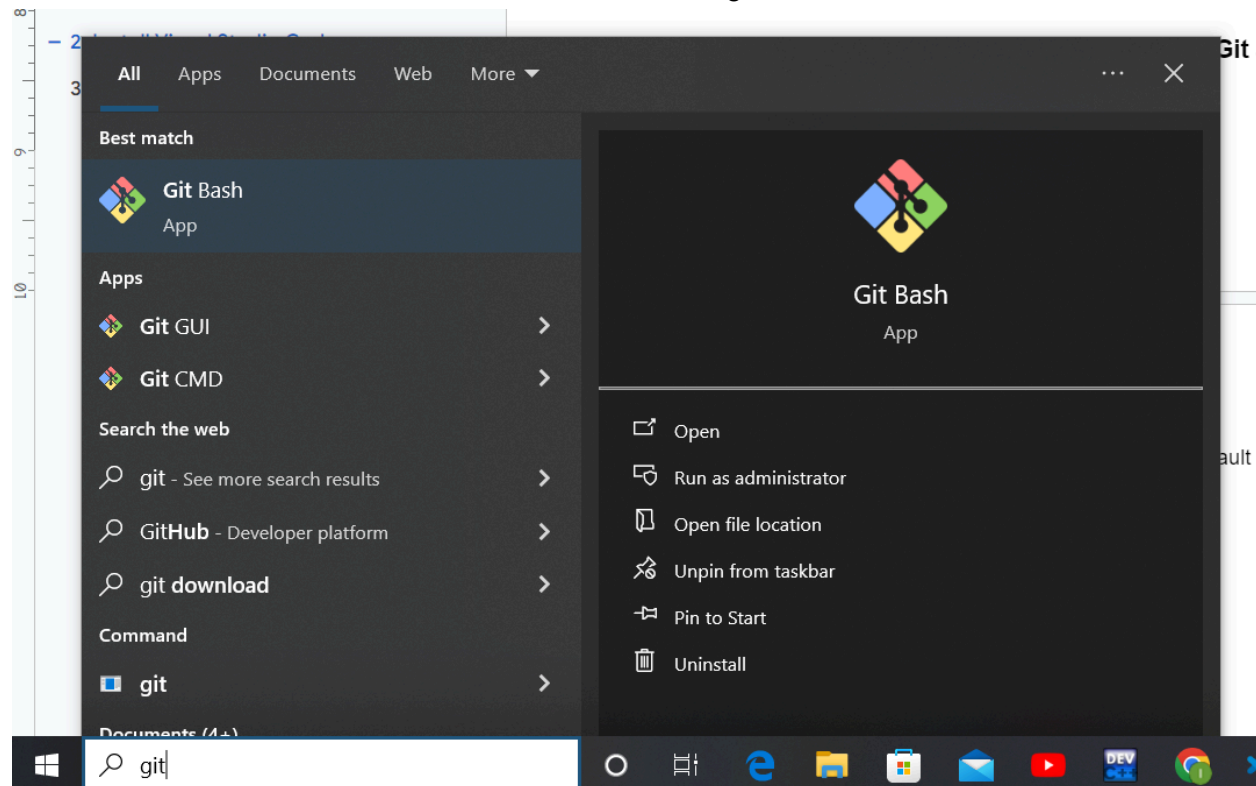


3. Set Up Version Control System with Git and GitHub

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:

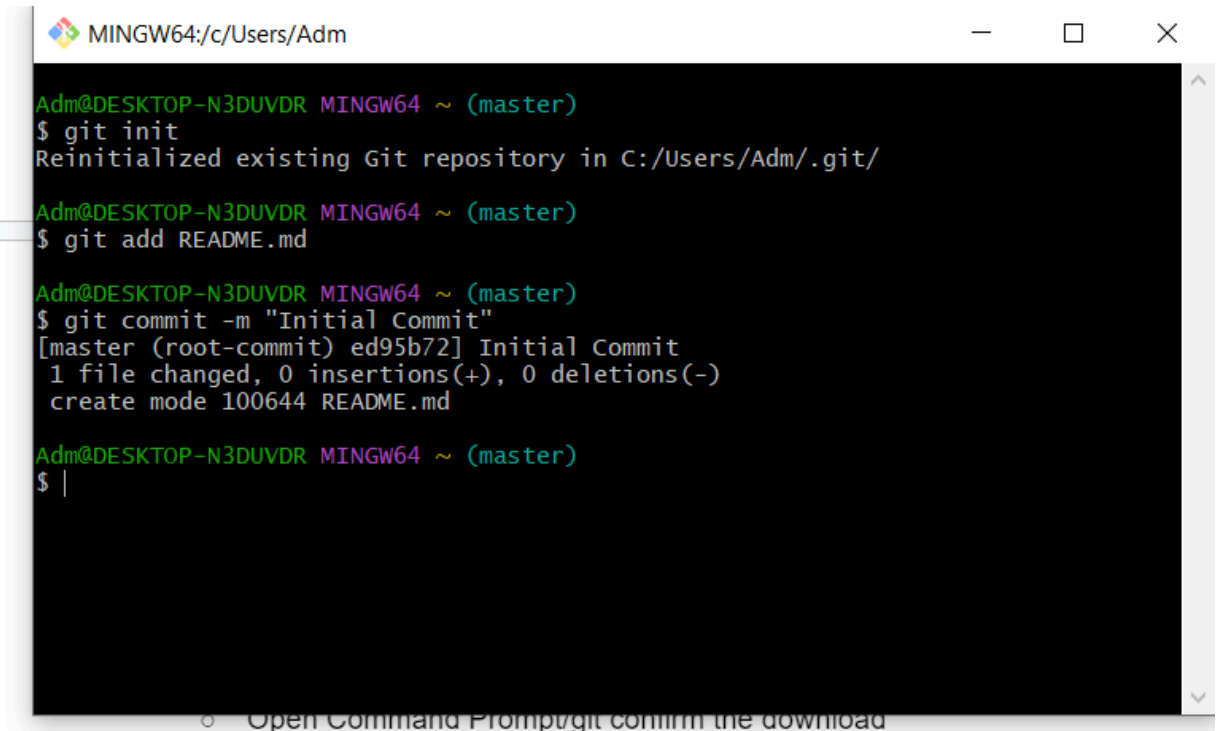
- Go to [GitHub](https://github.com) and sign up for a free account.

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:



A screenshot of a MINGW64 terminal window. The title bar shows the path "MINGW64:/c/Users/Adm". The terminal output is as follows:

```
Adm@DESKTOP-N3DUVDR MINGW64 ~ (master)
$ git init
Reinitialized existing Git repository in C:/Users/Adm/.git/

Adm@DESKTOP-N3DUVDR MINGW64 ~ (master)
$ git add README.md

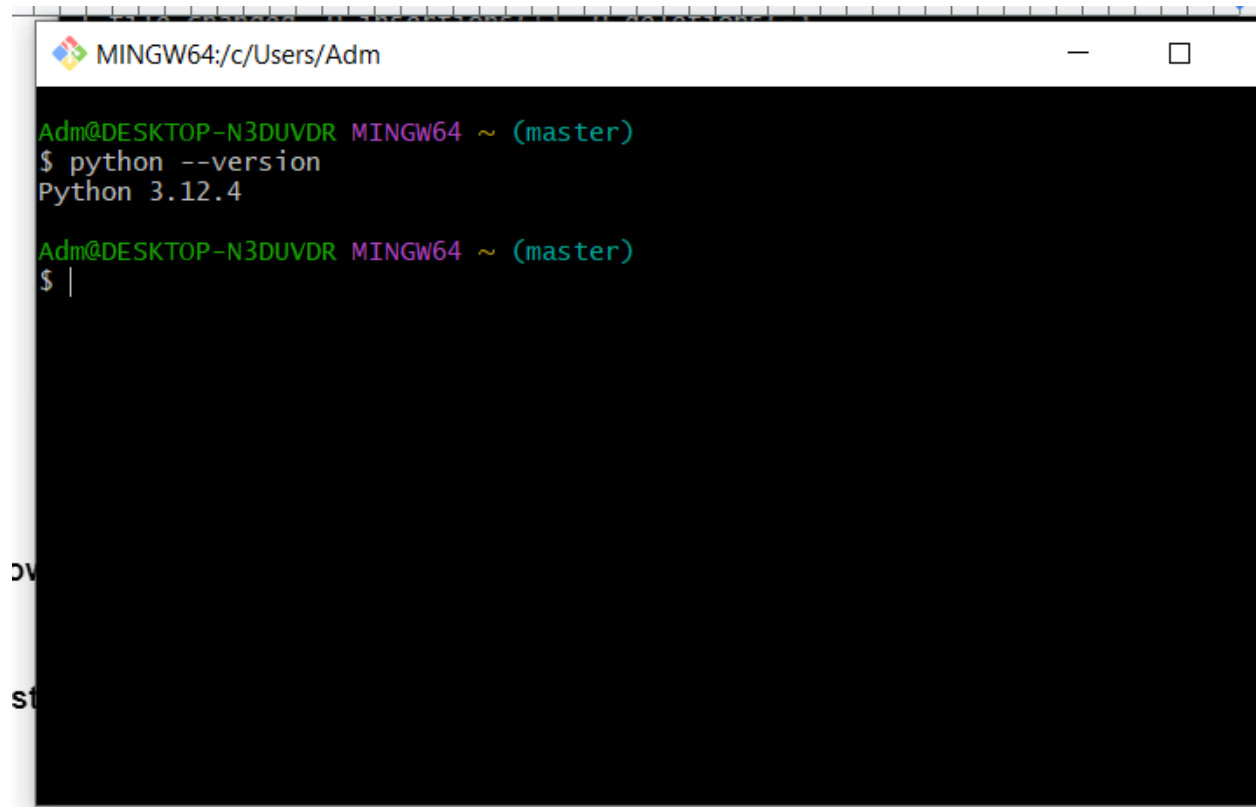
Adm@DESKTOP-N3DUVDR MINGW64 ~ (master)
$ git commit -m "Initial Commit"
[master (root-commit) ed95b72] Initial Commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 README.md

Adm@DESKTOP-N3DUVDR MINGW64 ~ (master)
$ |
```

Below the terminal window, there is a bullet point followed by a partially visible text: "Open Command Prompt/git confirm the download".

Install Python

1. **Download Python:**
 - Go to [Python.org](https://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



```
MINGW64: c:/Users/Adm

Adm@DESKTOP-N3DUVDR MINGW64 ~ (master)
$ python --version
Python 3.12.4

Adm@DESKTOP-N3DUVDR MINGW64 ~ (master)
$ |
```

5. Install MySQL

2. Download MySQL:

- Go to the [MySQL.com](https://www.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

