# Developer Environment Setup

**Github repository**
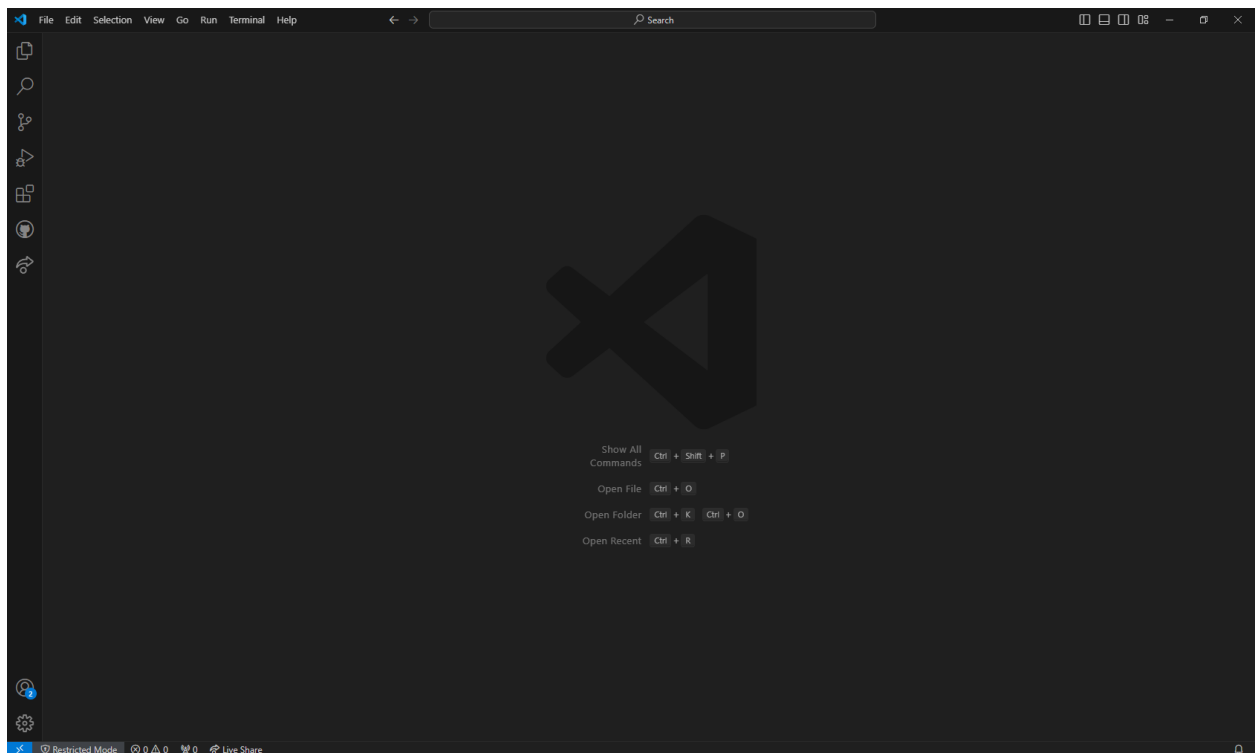
## Operating System

My computer already had an operating system, windows 10, so there was no need for me to install one.

## Text Editor/IDE

**Editor**: Visual Studio Code

1. I went to the Visual Studio Code download page.
2. I downloaded the installer for Windows.
3. I ran the installer and followed the prompts to complete the installation.



## Version Control System

**VCS**: Git and GitHub

1. I downloaded Git for Windows from git-scm.com.
2. I ran the installer and selected the default options during setup.
3. I opened Git Bash and configured my username and email:
4. I signed up for a free account on GitHub and completed my profile.
5. In my project directory, I initialized a new Git repository using these comands

> *mkdir MyProject*
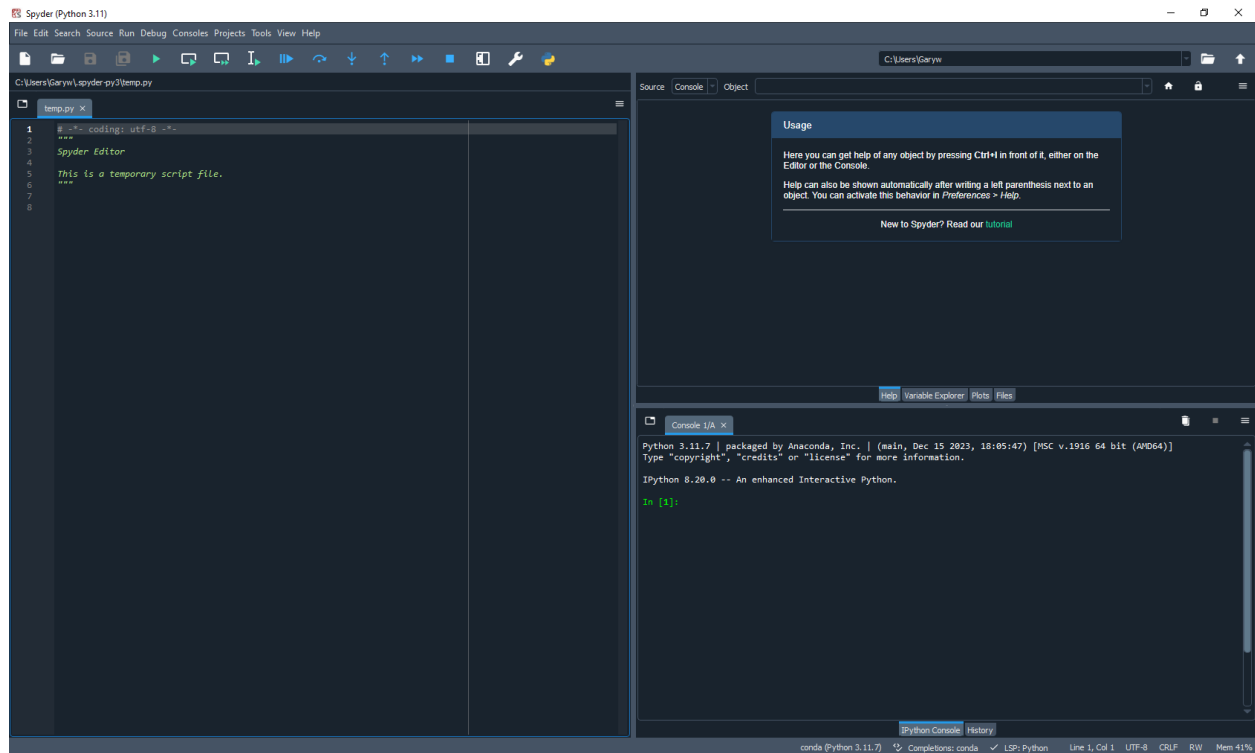> *cd MyProject*
> *git init*

## Github repository

6. I created a README file and made my first commit using the commands
*echo "# MyProject"  >> README.md*
> *git add . git commit -m "Initial commit"*

## Programming Languages

**Python**:

1. I visited the Python download page and downloaded the latest installer for Windows.
2. I ran the installer, checked "Add Python to PATH", and followed the prompts to complete the installation.
3. I verified the installation by opening Command Prompt and checking the Python version:
4. I Installed anaconda since it contains Spyder. Spyder is a Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features.

## Package Managers

**pip**:

1. I verified that pip was installed with Python by checking its version using the command
   ```
   pip -version
   ```

## Database

**MySQL**:

1. I downloaded the MySQL Installer from the [MySQL website](MySQL website).
2. I ran the installer and chose the "Developer Default" setup type.
3. During installation, I configured the MySQL server settings and created a root password.

## Development Environments and Virtualization

**Docker:**

1. I downloaded Docker Desktop from the Docker website.

2. I ran the installer and followed the instructions to complete the installation.

3. I restarted my computer as prompted.

## Extensions and Plugins

**Visual Studio Code Extensions**:

1. I opened Visual Studio Code.

2. I went to the Extensions view by clicking the square icon in the sidebar or pressing Ctrl+Shift+X.

3. I searched for and installed the following useful extensions:

- *Python*
- *Prettier*
- *ESLint*

*No challenges were faced during the setup.*