After choosing my operating system:

**Installing a Integrated Development Environment (IDE) – Visual Studio Code:**

*- Go to the official Visual Studio Website .*

*- Click on the Download the VS Code file from the Official Website depending on your OS.*

*- Execute the download file.*

*- Accept the Terms & Conditions.*

*- Click on the Install button.*

*- Wait for the installation to complete.*

*- Click on the Launch button to start it*

***Setting up Version Control Systems***

*1. Installing Git:*

*- Download Git from the official site: (https://git-scm.com/downloads).*

*- In the download site, click on the version of git to be downloaded depending on your OS.*

*- Launch git after installation.*

*2. Configuring Git:*

*- Open your git bash.*

*- Set your Git username:*

*-* ***git config --global user.name "Your Name"***

*- Set your Git email:*

*-* ***git config --global user.email "your.email@example.com"***

*- Verify the configuration:*

*-* ***git config --list***

*3. Create a GitHub Account:*

*- Go to github website,(https://github.com) and sign up for an account if you don't have one.*

*4. Create a Repository on GitHub:*

*- Click on the “New” button in the upper-right corner of the GitHub page and select "New repository".*

*- Enter a repository name, description (optional), choose public or private, and click "Create repository".*

*5. Initializing a Git Repository Locally:*

*- Navigate to your project directory in the git bash then Initialize a new Git repository:*

*-* ***git init***

*6. Add Your Project Files to the Repository:*

*-* ***git add .***

*- Commit the files:*

*-* ***git commit -m "Initial commit"***

*7. Link the Local Repository to GitHub:*

*- Copy the repository URL from GitHub (e.g., https://github.com/yourusername/your-repository.git).*

*- Add the remote origin:*

*-* ***git remote add origin https://github.com/yourusername/your-repository.git***

*8. Push your commits to the GitHub repository using the command:*

*-* ***git push -u origin master***

***Installing Package Managers***

*1.- Run the following command to install pip:*

***- python get-pip.py***

*2. - Upgrade pip to the latest version:*

*pip install --upgrade pip*

*3.- Confirm pip is installed and working:*

***- pip --version***

***Configuring a database (MySQL)***

*1. Downloading MySQL Installer:*

*- Visit the MySQL download page: (*[*https://dev.mysql.com/downloads/windows/installer/5.7.html*](https://dev.mysql.com/downloads/windows/installer/5.7.html)*)*

*- Click on the download button to start downloading*

*2. Run the Installer:*

*- After downloading, run the MySQL Installer. Select the appropriate setup type based on your needs (Developer Default, Server only, etc.).*

*3. Follow Installation Steps:*

*- Follow the on-screen instructions to proceed with the installation. This includes configuring MySQL server settings such as the root password, user accounts, and other server configurations.*

*4. Complete Installation:*

*- Once the installation is complete, you can verify the installation by running MySQL Workbench or connecting via command line:*

*-* ***mysql -u root -p***

*5. Configure Database:*

*- Set up your databases and tables using MySQL Workbench or through command-line SQL commands.*

***Exploring Extensions and Plugins***

*- Python – Pylace, Python*

*- Live Server*

*- CSS Styling*

*- SQLlite*

*-Django*

*- Flutter*