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Week assignment 2

Select Your operating System (OS):

- Choose Windows 11 as your operating system. You can download it from the official Microsoft website.
- Install Visual Studio Code (VS Code):
- Download the VS Code installer for Windows 11 from the official VS Code website.
- Run the downloaded installer (e.g., VSCodeSetup-{version}.exe).
- Accept the license agreement, choose the installation location, and install.
- Launch VS Code from the Start Menu or desktop icon.

Set Up Version Control System (Git):

- Install Git on your local machine. You can download it from the official Git website.
- Configure Git with your name and email using the following commands:
- git config --global user.name "Your Name"
- git config --global user.email "your@email.com"
- Create a GitHub account if you don't have one already.
- Initialize a Git repository for your project using git init.
- Make your first commit with git add . (to stage changes) and git commit -m "Initial commit".
- Install Necessary Programming Languages and Runtimes:
- Install Python from the official Python website.
- Ensure you have the necessary compilers, interpreters, or runtimes for your chosen languages.
- Install Package Managers:
- If you're using Python, install pip (Python package manager) by following the instructions on the official pip website.
- Configure a Database (MySQL):
- Download and install MySQL database from the official MySQL website.
- Set Up Development Environments and Virtualization (Optional):

-Consider using tools like Docker or virtual machines to isolate project dependencies and ensure consistent environments.

Explore Extensions and Plugins in VS Code:

-Open VS Code and explore available extensions from the VS Code Marketplace.

-Install extensions for syntax highlighting, linting, code formatting, and version control integration.

Document Your Setup:

-Create a comprehensive document with step-by-step instructions, screenshots, and any customizations you made during the setup.

-Include troubleshooting steps you encountered and how you resolved them.