ASSINGMENT: DEVELOPMENT SET-UP DOCUMENTATION

OPERATING SYSTEM(WINDOWS OS)

These are the essentials required when installing windows operating system,

USB flash drive with at least 5GB free space, ensure the flash disk has nothing important since it will be formatted.

Technician PC - Windows PC that you'll use to format the USB flash drive.

Destination PC - A PC that you'll install Windows on.

FOLLOWED THE FOLLOWING STEPS :

STEP 1- Format the drive and set the primary partition as active.

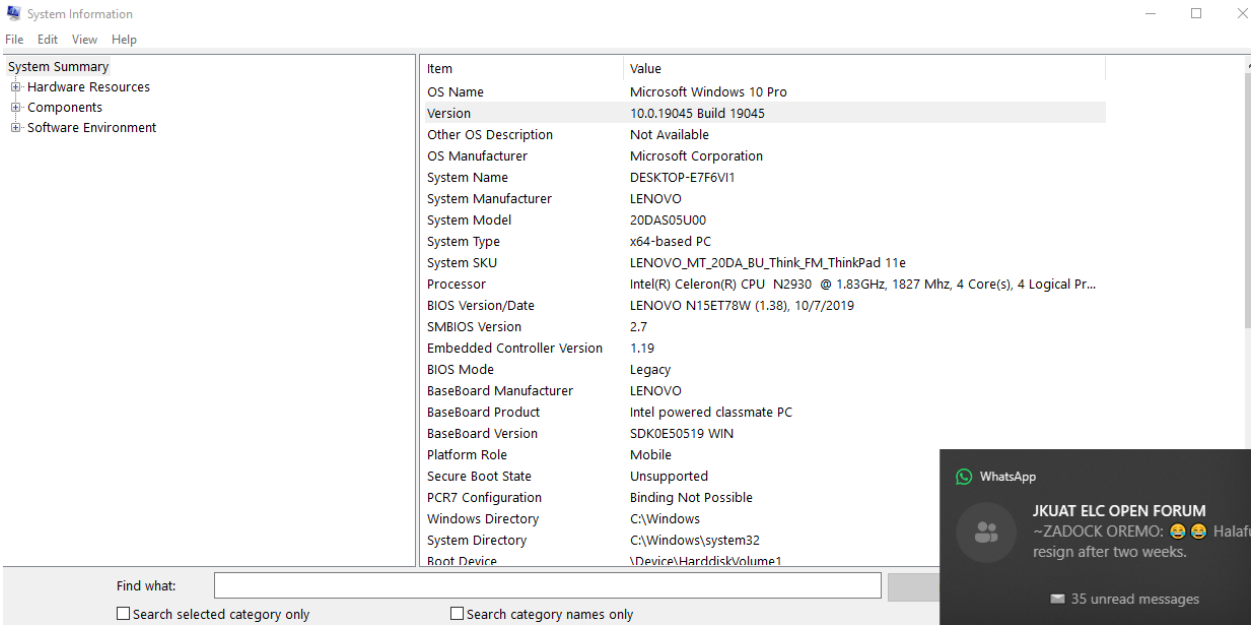
Connect the USB flash drive to your technician PC then Open Disk Management by Right-click on Start and choose Disk Management. Right-click the USB drive partition and choose Format. Select the FAT32 file system to be able to boot either BIOS-based or UEFI-based PCs. Set the partition as active: Right-click the USB drive partition and click Mark Partition as Active.

STEP2- Copy Windows Setup to the USB flash drive.

Use File Explorer to copy and paste the entire contents of the Windows product DVD or ISO to the USB flash drive.

STEP3- Install Windows to the new PC.

Connect the USB flash drive to a new PC. Turn on the PC and press the key that opens the boot-device selection menu for the computer, such as the Esc/F10/F12 keys. Select the option that boots the PC from the USB flash drive. Windows Setup starts. Follow the instructions to install.



INSTALLING A TEXT EDITOR OR IDE(VS CODE)

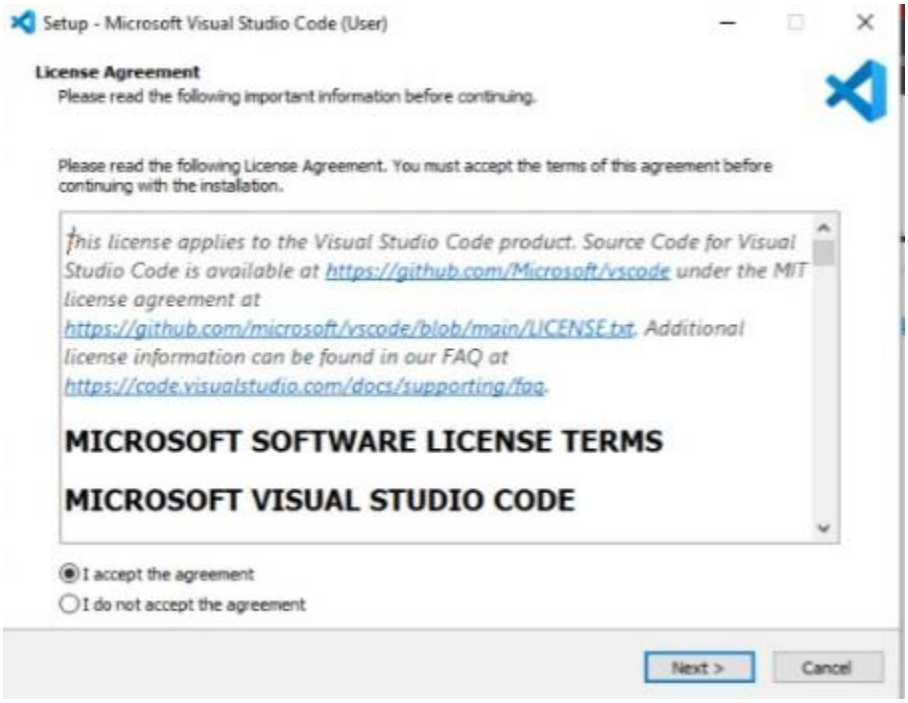
Downloaded vs code through this link (https://code.visualstudio.com/Download) and followed the following steps.

Chose preferable Operating System (Windows OS)

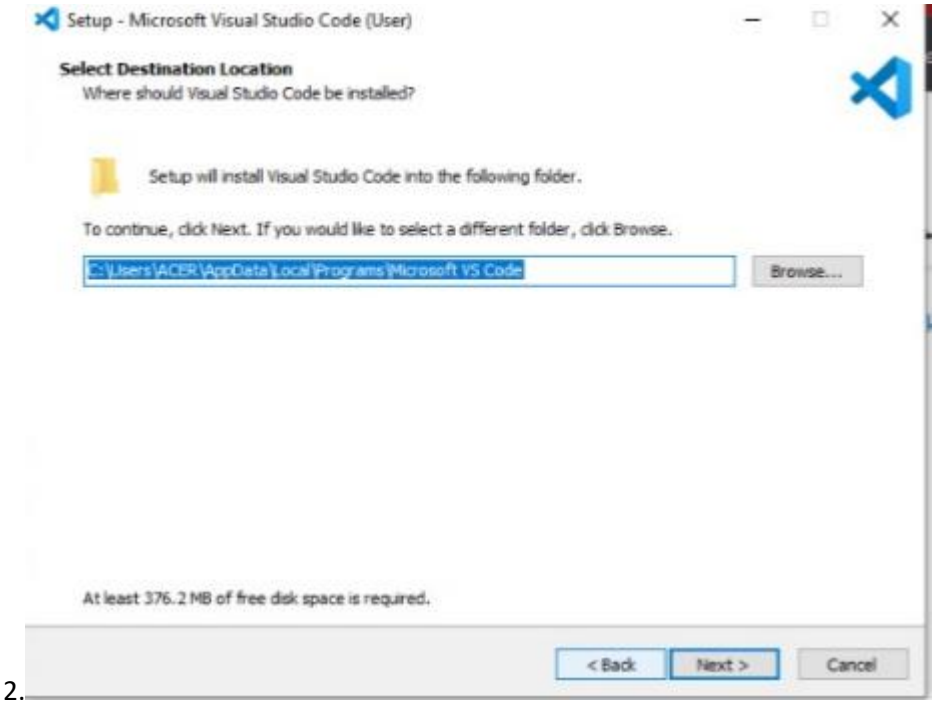
Downloaded vs code for windows

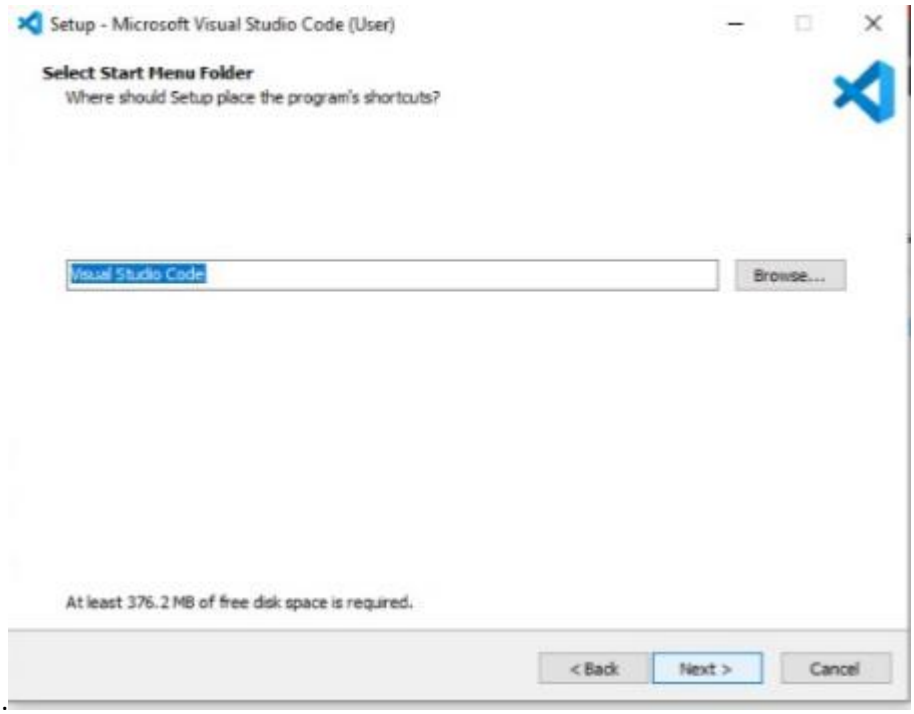
Chose location for vs code to be downloaded

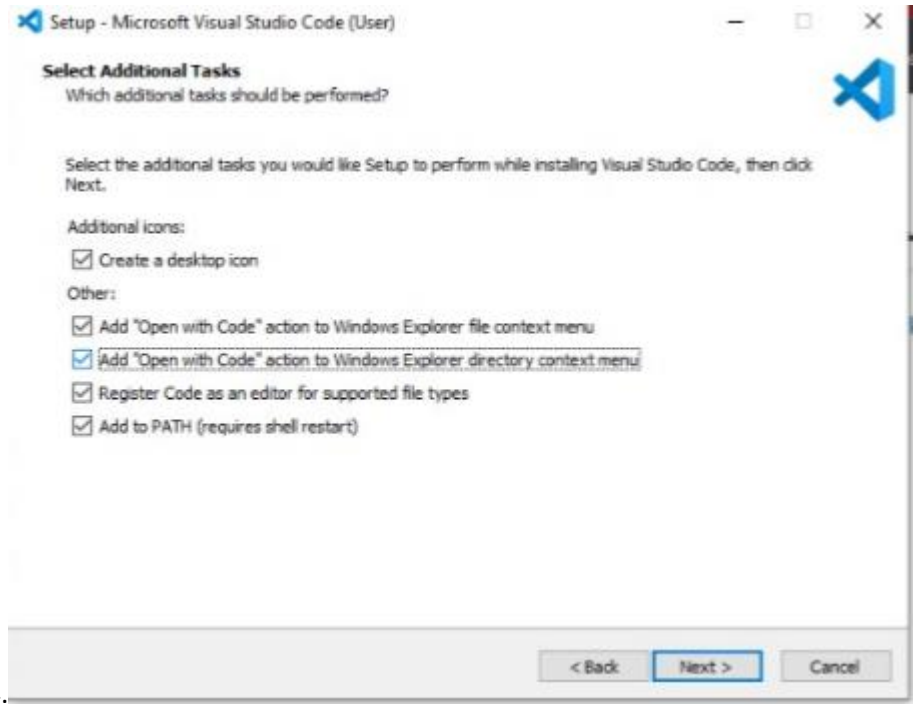
Set up

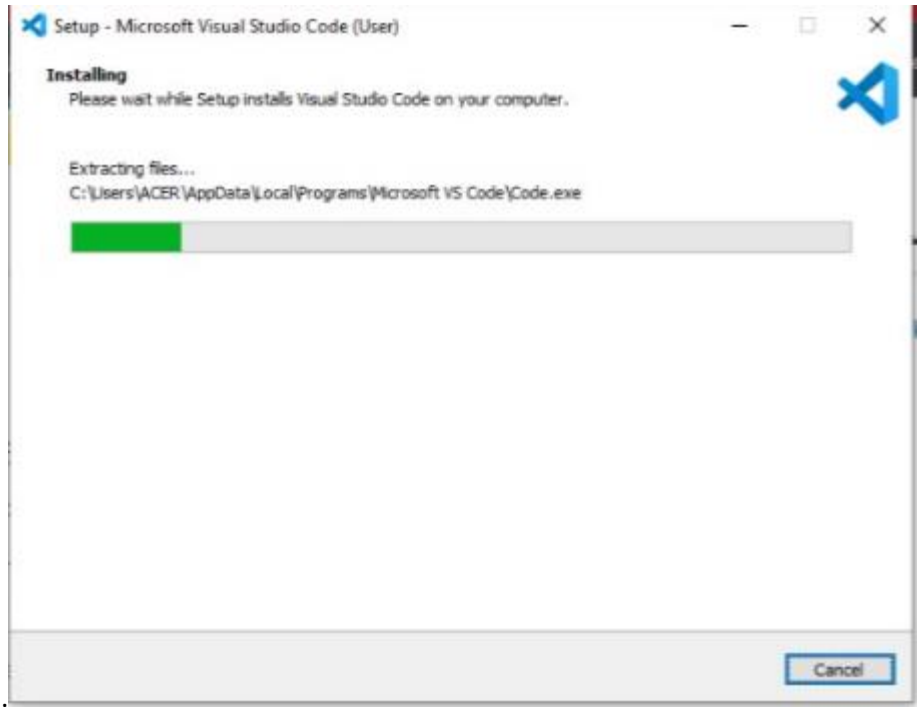


2.



3. 
Setup - Microsoft Visual Studio Code (User)
Select Start Menu Folder
Where should Setup place the program's shortcuts?
Visual Studio Code
Browse...
At least 376.2 MB of free disk space is required.
< Back
Next >
Cancel

4. 
Setup - Microsoft Visual Studio Code (User)
Select Additional Tasks
Which additional tasks should be performed?
Select the additional tasks you would like Setup to perform while installing Visual Studio Code, then click Next.
Additional icons:
Create a desktop icon
Other:
Add "Open with Code" action to Windows Explorer file context menu
Add "Open with Code" action to Windows Explorer directory context menu
Register Code as an editor for supported file types
Add to PATH (requires shell restart)
< Back
Next >
Cancel

5. 
Setup - Microsoft Visual Studio Code (User)
Installing
Please wait while Setup installs Visual Studio Code on your computer.
Extracting files...
C:\Users\ACER\AppData\Local\Programs\Microsoft VS Code\Code.exe
Cancel

6.finish

Setup - Microsoft Visual Studio Code (User)
Completing the Visual Studio Code Setup Wizard
Setup has finished installing Visual Studio Code on your computer. The application may be launched by selecting the installed shortcuts.
Click Finish to exit Setup.
Launch Visual Studio Code
Finish

SET UP VERSION CONTROL SYSTEM.

Download Git from its official website (download for windows) the latest version 64-bits

Follow instructions for set up

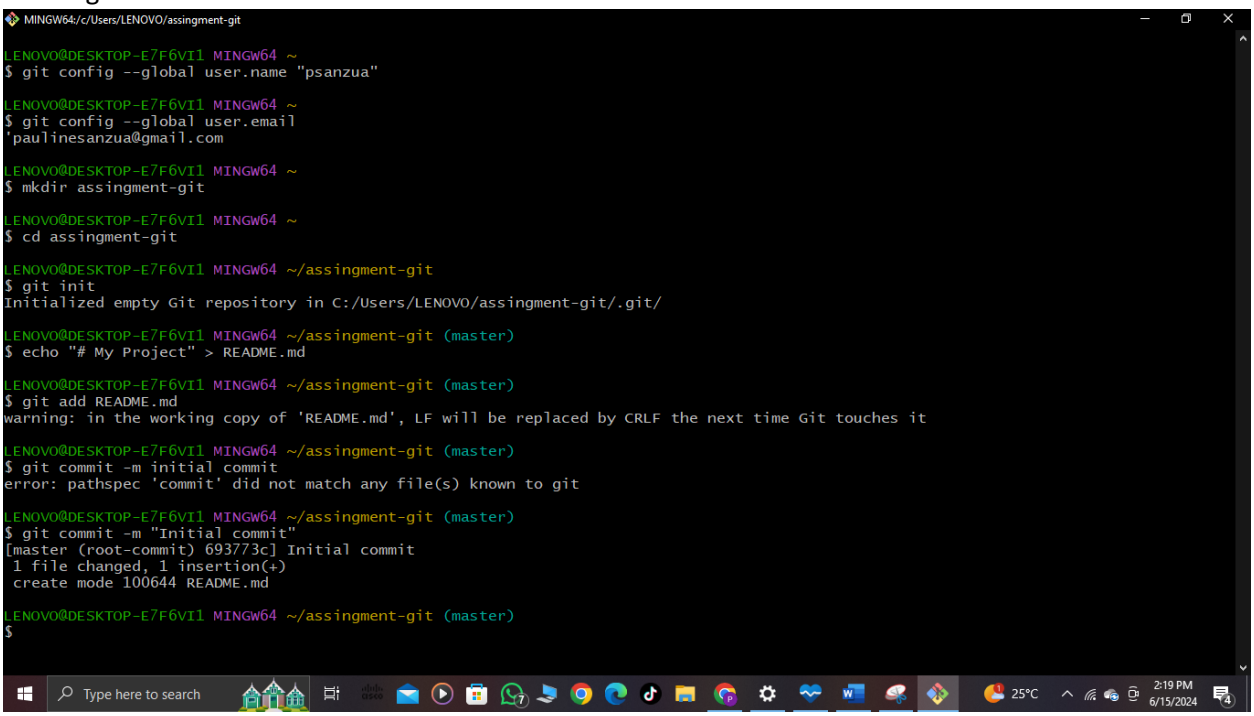
1. Read information and click next
2. Select destination and click next
3. Select components tick what you want to add preferable go with default
4. Click next choose default editor
5. Click next
6. Adjust the name of the initial branch (let git decide)
7. Adjusting path environment (default)
8. Click next up to the end and install

Configure Git by opening a terminal or command prompt and executing:

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

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

creating an initial commit



PROGRAMMING LANGUAGES AND RUNTIMES.

STEPS FOR PYTHON INSTALLATION.

To istall python go to python official website

Download python for windows and choose the latest release

Navigate to where it has been downloaded double click to take you to the set up

Make sure to add to path then install.

To check the python version ,run in git bash the command python --version

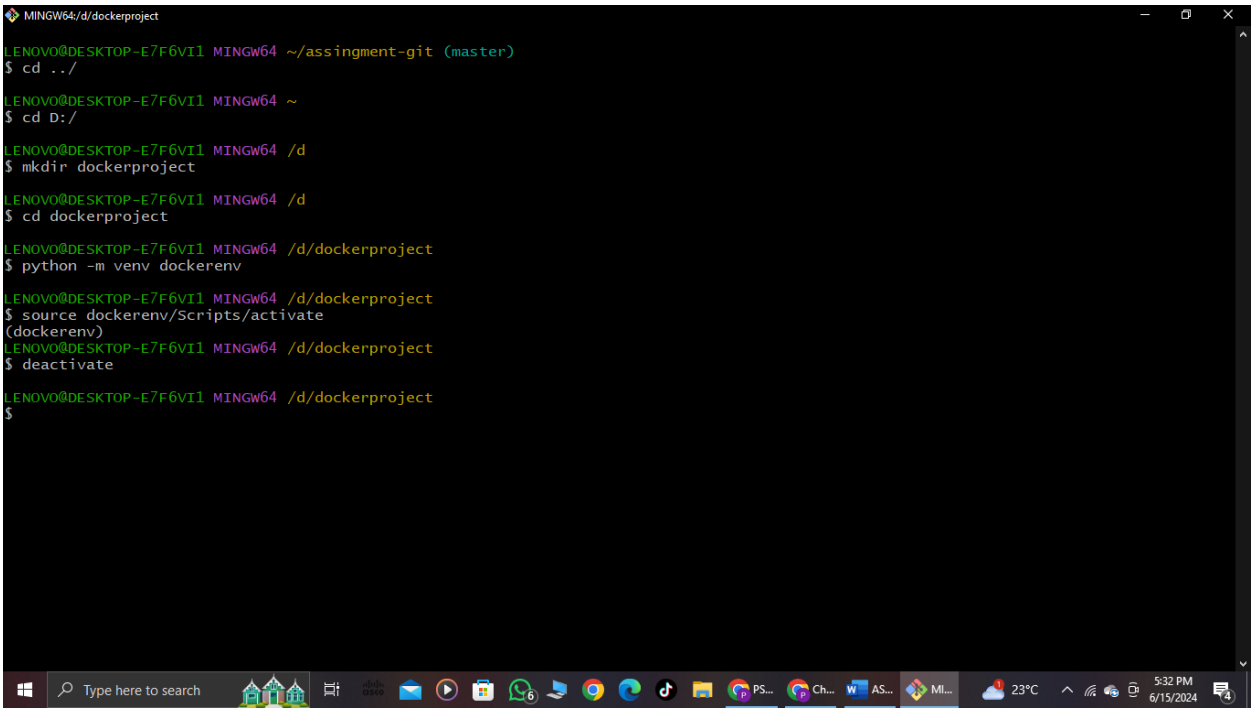
PACKAGE MANAGERS (pip)
pip is included with Python 3.4 Version so to ensure you have it, run:
python -m ensurepip --upgrade

CONFIGURE DATABASE
Downloaded MYSQL through the link https://dev.mysql.com/downloads/windows/installer/5.7.html
followed the steps ,
click on MySQL community downloads at GA(click the one with more views)
click on “No thanks, just start my download.”

go to where it was downloaded and open it
Choose set-up type ,servers only and click on next.
Click next on path conflict
Click execute on installation and the mysql server will install.
Click next on product configuration
Click on the stand alone server
Tick on name pipe and shared memory on type and network, then click on advanced logging advance options then next.
Click next on name pipe
On Authentication method ,the ” use strong password ….” Should be ticked
Add password on account and roles and click on next
On window service,(use the default option) click next

Make sure the slow query and Binary long is ticked then click next
On Advance options, click next
Apply configuration and click execute
Finish.

SET UP VIRTUAL ENVIRONMENT
Navigate to project directory
Create a virtual environment
Activate virtual environment
Deactivate virtual environment.



EXPLORE EXTENSIONS AND PLUGGINS

STEPS.

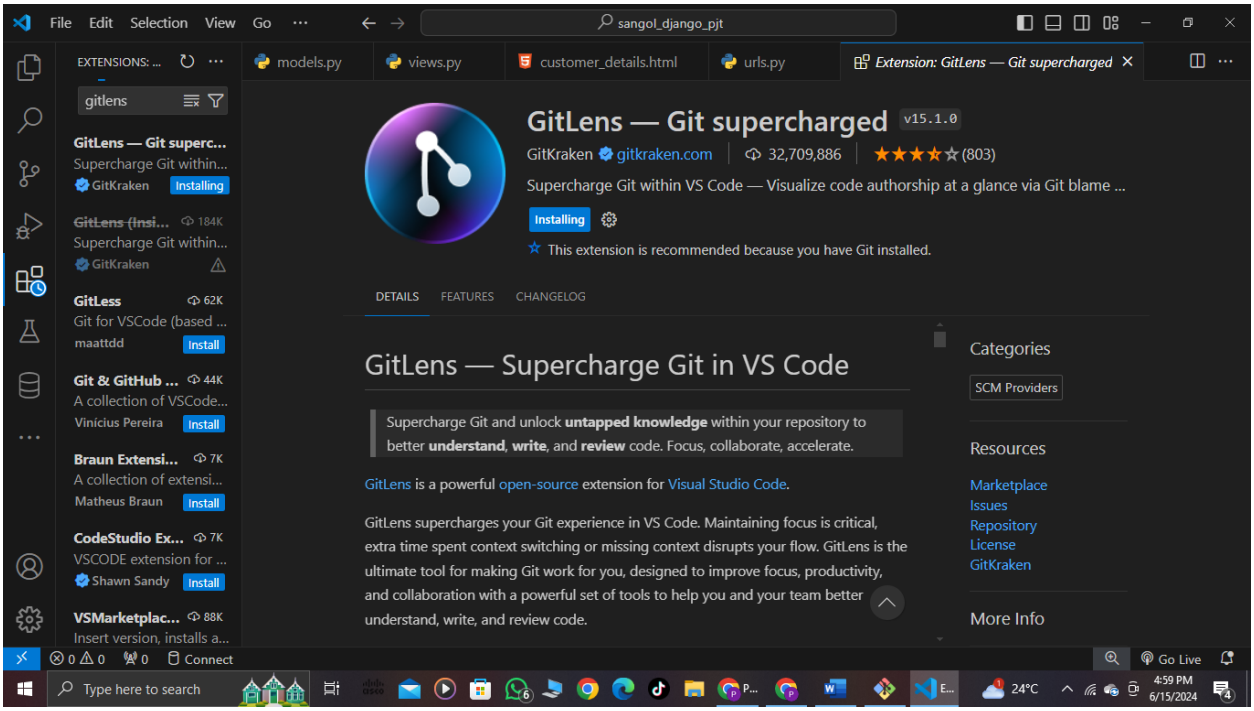
Open Visual Studio Code.

Go to the Extensions view by clicking the Extensions icon in the Activity Bar on the side of the window or by pressing Ctrl+Shift+X.

Install useful extensions such as:

Python – search python and install it

GitLens



TROUBLESHOOTING:

During installation of python python did add to path automatically even after clicking on the add path icon so had to add path manually through this process:
Go to where python was installed
Navigate to the python folder.
Go to bin and the copy address.
Open the Start Search, type in "environment variable", and choose "Edit the system environment variables".
In the System Properties window, click on the "Environment Variables" button.
In the Environment Variables window, find the "Path" variable in the "System variables" section and click "Edit".
Click "New" and add the path to the Python executable
Click "OK" to close all windows.