🚀 Project Setup Documentation with WSL & VS Code

# 1️⃣ Install WSL (Windows Subsystem for Linux)

1. Open PowerShell as Administrator.  
2. Enable WSL and Virtual Machine Platform:  
 dism.exe /online /enable-feature /featurename:Microsoft-Windows-Subsystem-Linux /all /norestart  
 dism.exe /online /enable-feature /featurename:VirtualMachinePlatform /all /norestart  
3. Restart your PC.  
4. Install Ubuntu (recommended):  
 wsl --install -d Ubuntu  
5. After restart, open Ubuntu → create a username & password.  
  
✅ Now you have Linux running inside Windows.

# 2️⃣ Install VS Code & WSL Extension

1. Download and install Visual Studio Code from https://code.visualstudio.com/  
2. Open VS Code → press Ctrl + Shift + X → search for Remote – WSL → install.  
3. At the bottom left corner of VS Code, click the green >< WSL icon →   
 select “Connect to WSL → Ubuntu”.  
4. VS Code reloads inside WSL.  
 - The bottom left should show: WSL: Ubuntu.

# 3️⃣ Basic Linux Commands

Inside VS Code, open a terminal (Ctrl + `).  
  
- Check current directory: pwd  
- List files/folders: ls  
- Change directory: cd folder\_name / cd ..  
- Create a folder: mkdir myfolder

# 4️⃣ Create a Project Folder in Linux Home

1. Move to your home directory:  
 cd ~  
2. Create a project folder:  
 mkdir exam360  
 cd exam360  
3. Inside it, create subfolders:  
 mkdir frontend backend images

# 5️⃣ Access Windows Drives from WSL

Your Windows drives (C:, D:) are mounted inside WSL under /mnt/.  
  
- C: drive → /mnt/c/  
- D: drive → /mnt/d/  
  
👉 Example: Create a folder in D: drive:  
 cd /mnt/d  
 mkdir exam360\_project  
 cd exam360\_project  
  
Now you’re working inside the D: drive from Linux! 🎉

# 6️⃣ Open Folder in VS Code

From any WSL terminal, run:  
 code .  
  
This opens the current folder in VS Code.

# 7️⃣ Summary Workflow

1. Install Ubuntu (WSL)  
2. Install VS Code + Remote WSL extension  
3. Connect VS Code to Ubuntu WSL  
4. Use bash commands to create and navigate folders  
5. Access Windows drives under /mnt/  
6. Start coding 🚀