WEEK 1 – LINUX BASICS (DAY 1 TO DAY 6)

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DAY 1 – Linux Overview & Ubuntu Setup

Goal: Understand what Linux is and why it is used in Cloud & DevOps.

Linux is an open-source operating system used mostly on servers.

Why Linux matters: Cloud, DevOps, Docker, Kubernetes all run on Linux.

Hotel Analogy: Linux = Hotel Building, / = Building root, Terminal = Reception.

Task: Install Ubuntu (WSL used) and open terminal.

DAY 2 – Linux File System, pwd, ls

Goal: Understand Linux directory structure and basic navigation awareness.

Important directories: /, /home, /etc, /bin.

pwd shows current location.

ls lists contents of directory. ls -la shows hidden files.

Hotel Analogy: /home = your room, files = luggage.

DAY 3 – cd, mkdir, rmdir

Goal: Move between directories and manage folders.

cd is used to change directories.

cd .. moves one level back.

mkdir creates a new directory.

rmdir removes empty directories only.

Absolute path = full address, Relative path = current location based.

Hotel Analogy: Moving between rooms and creating new rooms.

DAY 4 – touch, cp, mv, rm

Goal: File operations – create, copy, move, rename, delete.

touch creates empty files.

cp copies files.

mv renames or moves files.

rm deletes files permanently (no recycle bin).

Hotel Analogy (important): rm is like throwing luggage away forever.

DAY 5 – Practice Day

Goal: Build confidence using all commands together.

Practice creating folders, files, copying, renaming, deleting.

Focus on understanding intent, not memorizing commands.

Linux felt Awesome and Easy.

DAY 6 – Revision & Notes

Goal: Consolidate learning and clean notes.

Revise all commands from Day 1–5.

Organize notes by Navigation, Files, Folders.

Prepare for GitHub work on Day 7.

Confidence comes from revision.