🧾 Week 3 – Git Command List

**1. Branching Basics**

git branch # List all branches

git branch branch-name # Create a new branch

git checkout branch-name # Switch to a branch

git checkout -b new-branch # Create and switch to a new branch

**2. Merge vs. Rebase**

**🔁 Merge**

git checkout main

git merge branch-name # Merge branch into current branch

**🔄 Rebase**

git checkout branch-name

git rebase main # Rebase branch onto main

**🧠 Visualize Branching**

git log --oneline --graph --all

**3. Merge Conflict Handling**

**🛠 During Conflict (Typical Conflict Markers)**

<<<<<<< HEAD

Your changes

=======

Incoming changes

>>>>>>> branch-name

**✅ After Resolving Conflict**

git add conflicted-file.txt

git commit -m "Resolved merge conflict"

**4. README.md Customization (Markdown Preview)**

(Not Git commands, but used inside README.md files)

# Project Title

## Subheading

\*\*Bold\*\*, \*Italic\*, `Inline Code`

- Bullet List

1. Numbered List

[Link](<https://example.com>)

**5. .gitignore Usage**

touch .gitignore # Create a .gitignore file

echo "node\_modules/" >> .gitignore # Add entry to ignore file

git add .gitignore # Stage .gitignore

✅ Example entries inside .gitignore:

node\_modules/

.env

\*.log