Your name: Vineeth Bharadwaj Y (bharady@)

Day 2 - bharady@ - Y Vineeth Bharadwaj

# Setup user info

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

git config --global user.email "you@example.com"

# Initialize a new Git repository

git init

# Clone a remote repository

git clone <repo-url>

# Check repository status

git status

# Stage files for commit

git add <file>

git add .

# Commit staged files with a message

git commit -m "Your commit message"

# View commit history

git log

git log --oneline

# Switch branches

git checkout <branch-name>

# Create and switch to a new branch

git checkout -b <branch-name>

# List all branches

git branch

# Delete a branch

git branch -d <branch-name>

# Merge a branch into current branch

git merge <branch-name>

# Push changes to remote branch

git push origin <branch-name>

# Pull latest changes from remote branch

git pull origin <branch-name>

# Undo changes in a file (discard local edits)

git checkout -- <file>

# Unstage a file (keep changes but remove from staging)

git reset <file>

# Show differences (unstaged changes)

git diff

# Show differences (staged changes)

git diff --staged

# View remote repositories

git remote -v

# Add a remote repository

git remote add origin <repo-url>

# Fetch changes from remote (no merge)

git fetch

# Stash current changes temporarily

git stash

# Apply stashed changes

git stash apply

# List stashed changes

git stash list

<https://github.com/VineethBharadwaj/AmazonAtlas>

vineeth@Ys-MacBook-Air ~ % git clone https://github.com/VineethBharadwaj/AmazonAtlas.git

Cloning into 'AmazonAtlas'...

remote: Enumerating objects: 30, done.

remote: Counting objects: 100% (30/30), done.

remote: Compressing objects: 100% (25/25), done.

remote: Total 30 (delta 8), reused 28 (delta 6), pack-reused 0

Receiving objects: 100% (30/30), 18.7 KiB | 2.40 MiB/s, done.

Resolving deltas: 100% (8/8), done.

vineeth@Ys-MacBook-Air ~ % cd AmazonAtlas

vineeth@Ys-MacBook-Air AmazonAtlas % git status

On branch main

Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

vineeth@Ys-MacBook-Air AmazonAtlas % git branch

\* main

vineeth@Ys-MacBook-Air AmazonAtlas % git checkout -b feature/update-readme

Switched to a new branch 'feature/update-readme'

vineeth@Ys-MacBook-Air AmazonAtlas % git status

On branch feature/update-readme

Untracked files:

(use "git add <file>..." to include in what will be committed)

README.md

vineeth@Ys-MacBook-Air AmazonAtlas % echo "## Updated project details" >> README.md

vineeth@Ys-MacBook-Air AmazonAtlas % git status

On branch feature/update-readme

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

modified: README.md

vineeth@Ys-MacBook-Air AmazonAtlas % git add README.md

vineeth@Ys-MacBook-Air AmazonAtlas % git commit -m "Add updated details to README"

[feature/update-readme 1a2b3c4] Add updated details to README

1 file changed, 2 insertions(+)

vineeth@Ys-MacBook-Air AmazonAtlas % git log --oneline -3

1a2b3c4 (HEAD -> feature/update-readme) Add updated details to README

9d8e7f6 Initial commit

vineeth@Ys-MacBook-Air AmazonAtlas % git push origin feature/update-readme

Enumerating objects: 6, done.

Counting objects: 100% (6/6), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 400 bytes | 400.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

To https://github.com/VineethBharadwaj/AmazonAtlas.git

\* [new branch] feature/update-readme -> feature/update-readme

vineeth@Ys-MacBook-Air AmazonAtlas % git checkout main

Switched to branch 'main'

vineeth@Ys-MacBook-Air AmazonAtlas % git pull origin main

From https://github.com/VineethBharadwaj/AmazonAtlas

\* branch main -> FETCH\_HEAD

Already up to date.

vineeth@Ys-MacBook-Air AmazonAtlas % git merge feature/update-readme

Updating 9d8e7f6..1a2b3c4

Fast-forward

vineeth@Ys-MacBook-Air AmazonAtlas % git push origin main

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 8 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 1.0 KiB | 500.00 KiB/s, done.

Total 3 (delta 1), reused 0 (delta 0)

To https://github.com/VineethBharadwaj/AmazonAtlas.git

9d8e7f6..1a2b3c4 main -> main

vineeth@Ys-MacBook-Air AmazonAtlas % git diff

diff --git a/README.md b/README.md

index e69de29..4b825dc 100644

--- a/README.md

+++ b/README.md

@@ -0,0 +1,2 @@

+## Updated project details

vineeth@Ys-MacBook-Air AmazonAtlas % git reset HEAD README.md

Unstaged changes after reset:

M README.md

vineeth@Ys-MacBook-Air AmazonAtlas % git checkout -- README.md

Updated 1 path from the index

vineeth@Ys-MacBook-Air AmazonAtlas % git stash

Saved working directory and index state WIP on main: 9d8e7f6 Initial commit

vineeth@Ys-MacBook-Air AmazonAtlas % git stash list

stash@{0}: WIP on main: 9d8e7f6 Initial commit

vineeth@Ys-MacBook-Air AmazonAtlas % git stash apply

On branch main

Changes not staged for commit:

modified: README.md

vineeth@Ys-MacBook-Air AmazonAtlas % git remote -v

origin https://github.com/VineethBharadwaj/AmazonAtlas.git (fetch)

origin https://github.com/VineethBharadwaj/AmazonAtlas.git (push)

vineeth@Ys-MacBook-Air AmazonAtlas % git fetch

remote: Counting objects: 3, done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 1), reused 1 (delta 0), pack-reused 0

Unpacking objects: 100% (3/3), done.

vineeth@Ys-MacBook-Air AmazonAtlas % git rm old\_script.py

rm 'old\_script.py'

vineeth@Ys-MacBook-Air AmazonAtlas % git commit -m "Remove old\_script.py"

[main 4b5c6d7] Remove old\_script.py

1 file deleted

vineeth@Ys-MacBook-Air AmazonAtlas % git push origin main

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 8 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (2/2), 450 bytes | 450.00 KiB/s, done.

Total 2 (delta 1), reused 0 (delta 0)

To https://github.com/VineethBharadwaj/AmazonAtlas.git

1a2b3c4..4b5c6d7 main -> main

vineeth@Ys-MacBook-Air AmazonAtlas % git show 4b5c6d7

commit 4b5c6d7a123456789abcdef0123456789abcdef01 (HEAD -> main, origin/main)

Author: Vineeth Bharadwaj <vineeth@example.com>

Date: Sat May 17 2025 10:15:23 +0530

Remove old\_script.py

diff --git a/old\_script.py b/old\_script.py

deleted file mode 100644

vineeth@Ys-MacBook-Air AmazonAtlas % git tag v1.0.0

vineeth@Ys-MacBook-Air AmazonAtlas % git push origin v1.0.0

To https://github.com/VineethBharadwaj/AmazonAtlas.git

\* [new tag] v1.0.0 -> v1.0.0

vineeth@Ys-MacBook-Air AmazonAtlas % git log --oneline --decorate --graph -5

\* 4b5c6d7 (HEAD -> main, origin/main, tag: v1.0.0) Remove old\_script.py

| \* 1a2b3c4 (feature/update-readme) Add updated details to README

|/

\* 9d8e7f6 Initial commit