**2-what is pull request and request & differrent bettween them?**

**Pull Request (PR):**

* A feature in platforms like GitHub/GitLab/Bitbucket.
* Used to propose changes from one branch (usually a feature branch) into another (typically main or develop).
* Enables code review, discussion, and automated testing before merging.

**Request (General Term):**

* Not specific to Git. It simply means asking for something.
* In Git context, it could mean requesting a change, access, or review—but it’s not a technical term like “pull request.”

**Difference:** | Term | Context | Purpose | |----------------|------------------|------------------------------------------| | Pull Request | Git platforms | Propose and review code changes | | Request | General usage | Ask for something (not Git-specific)

**4-What is the command to delete the branch "new-email"**

git branch -d new-email # Deletes the branch locally (safe delete)

git branch -D new-email # Force delete locally

git push origin --delete new-email # Deletes the branch from remote

**5-What is the command to push the current repository to the remote origin?**

git push origin HEAD

**6-what is git Rebase and how to use it ?**

**Git Rebase:**

* Rewrites commit history by moving or combining commits.
* Used to maintain a linear project history.

**Use Case:** You want to update your feature branch with the latest changes from main

git checkout feature-branch

git rebase main

git add .

git rebase --continue

**7-What is the command to get all the change history of the remote repository "origin"?**

git fetch origin

git log origin/main --oneline --graph --all

**8-What is the command to show the differences between the current branch and the branch "new-email"?**

git diff new-email

**9-what is tags and Make five tags and release two of them?**

**Tags:**

* Mark specific points in history as important (e.g., releases).
* Lightweight and immutable references to commits.

**Create Five Tags:**

git tag v1.0

git tag v1.1

git tag v2.0

git tag beta

git tag release-candidate

git push origin v1.0

git push origin v2.0