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Day2

1-Make a project deployment.
Answer is:
https://ayafathy1.github.io/VCDAY2/

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

Feature	Pull Request / Merge Request (PR/MR)	git request -pull(The Command)
What it is	A feature of a web-based platform (GitHub, GitLab).	A native Git command.
Primary Use	Code collaboration, review, and integration. The main tool for modern workflows.	Notification. Generating a summary of changes to be sent manually.
Workflow	Fully integrated UI with comments, approval systems, and automated CI/CD checks.	Manual. Output is text sent via email or chat.
Interaction	Interactive through a web browser.	Non-interactive; it just generates text.

3-Make fork from your project and use it from anthor account
Done >>>> https://github.com/ayafathy1/VCDAY2

4-What is the command to delete the branch "new-email"
Answer is:
git branch -d new-email
Or
git branch -D new-email (Force delete an unmerged local branch)

5-What is the command to push the current repository to the remote origin?
Answer is:
git push origin HEAD

6-what is git Rebase and how to use it ?
Answer is:
rebase takes the commits from your current branch and "replays" them on top of a different base commit.
It *transplants* your branch to sit on the very tip of another branch, making it look like your work was done sequentially from that new starting point.

7-What is the command to get all the change history of the remote repository "origin"?
Answer is:
git log origin/main
must first fetch the latest changes from the remote to update your local copy of its history.
git fetch origin

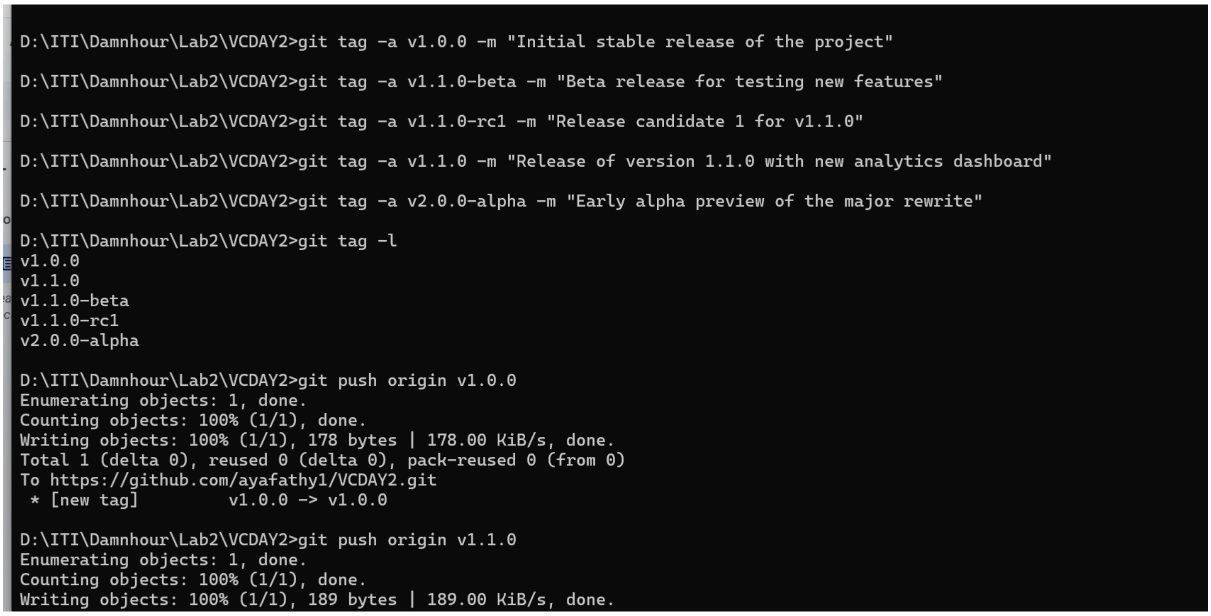
8-What is the command to show the differences between the current branch and the branch "new-email"?
Answer is:

Command	Use Case
`git diff new-email`	Most common. Shows line-by-line code changes in your working directory (staged + un-staged) compared to the `new-email` branch.

`git diff HEAD new-email`	Shows line-by-line code

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

A tag in Git is a reference to a specific commit. Think of it as a read-only label or a bookmark that you can place on a particular point in your repository's history to mark it as significant.



```
D:\ITI\Damnhour\Lab2\VCDAY2>git tag -a v1.0.0 -m "Initial stable release of the project"

D:\ITI\Damnhour\Lab2\VCDAY2>git tag -a v1.1.0-beta -m "Beta release for testing new features"

D:\ITI\Damnhour\Lab2\VCDAY2>git tag -a v1.1.0-rc1 -m "Release candidate 1 for v1.1.0"

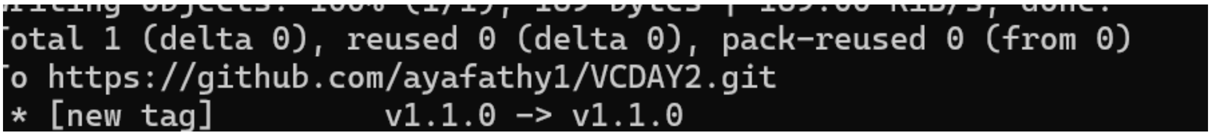
D:\ITI\Damnhour\Lab2\VCDAY2>git tag -a v1.1.0 -m "Release of version 1.1.0 with new analytics dashboard"

D:\ITI\Damnhour\Lab2\VCDAY2>git tag -a v2.0.0-alpha -m "Early alpha preview of the major rewrite"

D:\ITI\Damnhour\Lab2\VCDAY2>git tag -l
v1.0.0
v1.1.0
v1.1.0-beta
v1.1.0-rc1
v2.0.0-alpha

D:\ITI\Damnhour\Lab2\VCDAY2>git push origin v1.0.0
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 178 bytes | 178.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ayafathy1/VCDAY2.git
 * [new tag]         v1.0.0 -> v1.0.0

D:\ITI\Damnhour\Lab2\VCDAY2>git push origin v1.1.0
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 189 bytes | 189.00 KiB/s, done.
```



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* [new tag]         v1.1.0 -> v1.1.0
```