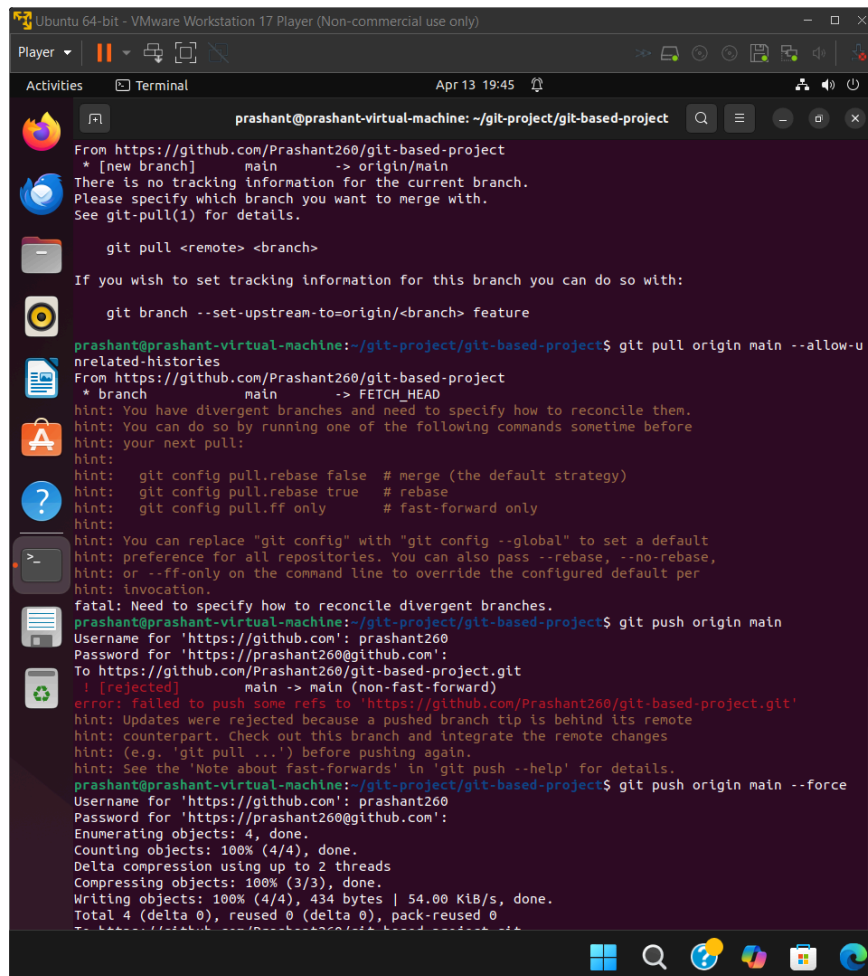


📌 Git Commands Used

```
1 git init
2 git remote add origin <repo-url>
3 git branch -M main
4 git checkout -b dev
5 git checkout -b feature
6 git add .
7 git commit -m "message"
8 git push origin branch-name
9 git tag v1.0
10 git push origin main
```



```
prashant@prashant-virtual-machine: ~/git-project/git-based-project
From https://github.com/Prashant260/git-based-project
* [new branch]      main       -> origin/main
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

git branch --set-upstream-to=origin/<branch> feature

prashant@prashant-virtual-machine:~/git-project/git-based-project$ git pull origin main --allow-u
nrelated-histories
From https://github.com/Prashant260/git-based-project
* branch            main       -> FETCH_HEAD
hint: You have divergent branches and need to specify how to reconcile them.
hint: You can do so by running one of the following commands sometime before
hint: your next pull:
hint:
hint:   git config pull.rebase false  # merge (the default strategy)
hint:   git config pull.rebase true   # rebase
hint:   git config pull.ff only       # fast-forward only
hint:
hint: You can replace "git config" with "git config --global" to set a default
hint: preference for all repositories. You can also pass --rebase, --no-rebase,
hint: or --ff-only on the command line to override the configured default per
hint: invocation.
fatal: Need to specify how to reconcile divergent branches.
prashant@prashant-virtual-machine:~/git-project/git-based-project$ git push origin main
Username for 'https://github.com': prashant260
Password for 'https://prashant260@github.com':
To https://github.com/Prashant260/git-based-project.git
 ! [rejected]        main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/Prashant260/git-based-project.git'
hint: Updates were rejected because a pushed branch tip is behind its remote
hint: counterpart. Check out this branch and integrate the remote changes
hint: (e.g. 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
prashant@prashant-virtual-machine:~/git-project/git-based-project$ git push origin main --force
Username for 'https://github.com': prashant260
Password for 'https://prashant260@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 434 bytes | 54.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Prashant260/git-based-project.git
 ! [forced update]
main 4c1b1b1..8c1b1b1
```

git push

```
prashant@prashant-virtual-machine: ~/git-project/git-based-project
prashant@prashant-virtual-machine:~$ clar

Command 'clar' not found, did you mean:
  command 'clear' from deb ncurses-bin (6.3-2ubuntu0.1)
  command 'car' from deb ucommon-utils (7.0.0-20ubuntu2)
Try: sudo apt install <deb name>
prashant@prashant-virtual-machine:~$
prashant@prashant-virtual-machine:~$
prashant@prashant-virtual-machine:~$ ls
Desktop  Downloads  jenkins-pipeline  Music  Pictures  snap  terraform
Documents  Elevate_labs  mintkub-linux-amd64  nodejs  Public  Templates  Videos
prashant@prashant-virtual-machine:~$ mkdir git-project
prashant@prashant-virtual-machine:~$ cd git-project/
prashant@prashant-virtual-machine:~/git-project$ ls
prashant@prashant-virtual-machine:~/git-project$ git clone https://github.com/Prashant260/git-based-project.git
Cloning into 'git-based-project'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
prashant@prashant-virtual-machine:~/git-project$ ls
git-based-project
prashant@prashant-virtual-machine:~/git-project$ cd git-based-project/
prashant@prashant-virtual-machine:~/git-project/git-based-project$ ls
README.md
prashant@prashant-virtual-machine:~/git-project/git-based-project$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.
prashant@prashant-virtual-machine:~/git-project/git-based-project$ git checkout -b dev
Switched to a new branch 'dev'
prashant@prashant-virtual-machine:~/git-project/git-based-project$ git checkout -b frature
Switched to a new branch 'frature'
prashant@prashant-virtual-machine:~/git-project/git-based-project$
```

Git branching

```
prashant@prashant-virtual-machine: ~/git-project/git-based-project
prashant@prashant-virtual-machine:~$ clar

Command 'clar' not found, did you mean:
  command 'clear' from deb ncurses-bin (6.3-2ubuntu0.1)
  command 'car' from deb ucommon-utils (7.0.0-20ubuntu2)
Try: sudo apt install <deb name>
prashant@prashant-virtual-machine:~$
prashant@prashant-virtual-machine:~$
prashant@prashant-virtual-machine:~$ ls
Desktop  Downloads  jenkins-pipeline  Music  Pictures  snap  terraform
Documents  Elevate_labs  mintkub-linux-amd64  nodejs  Public  Templates  Videos
prashant@prashant-virtual-machine:~$ mkdir git-project
prashant@prashant-virtual-machine:~$ cd git-project/
prashant@prashant-virtual-machine:~/git-project$ ls
prashant@prashant-virtual-machine:~/git-project$ git clone https://github.com/Prashant260/git-based-project.git
Cloning into 'git-based-project'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
prashant@prashant-virtual-machine:~/git-project$ ls
git-based-project
prashant@prashant-virtual-machine:~/git-project$ cd git-based-project/
prashant@prashant-virtual-machine:~/git-project/git-based-project$ ls
README.md
prashant@prashant-virtual-machine:~/git-project/git-based-project$
```

cloning git remote repo