



```
hariniubuntu@victus: ~  
hariniubuntu@victus:~/task-2-git$ git push -u origin main  
Username for 'https://github.com': Harini0712  
Password for 'https://Harini0712@github.com':  
remote: Invalid username or token. Password authentication is not supported for Git operations.  
fatal: Authentication failed for 'https://github.com/Harini0712/Elevate-Task-2.git/'  
hariniubuntu@victus:~/task-2-git$ git push -u origin main  
Username for 'https://github.com': Harini0712  
Password for 'https://Harini0712@github.com':  
To https://github.com/Harini0712/Elevate-Task-2.git  
! [rejected]        main -> main (fetch first)  
error: failed to push some refs to 'https://github.com/Harini0712/Elevate-Task-2.git'  
hint: Updates were rejected because the remote contains work that you do not  
hint: have locally. This is usually caused by another repository pushing to  
hint: the same ref. If you want to integrate the remote changes, use  
hint: 'git pull' before pushing again.  
hint: See the 'Note about fast-forwards' in 'git push --help' for details.  
hariniubuntu@victus:~/task-2-git$ git pull origin main --allow-unrelated-histories  
remote: Enumerating objects: 3, done.  
remote: Counting objects: 100% (3/3), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
Unpacking objects: 100% (3/3), 870 bytes | 290.00 KiB/s, done.  
From https://github.com/Harini0712/Elevate-Task-2  
* branch            main       -> FETCH_HEAD  
* [new branch]      main       -> origin/main  
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:
```

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hariniubuntu@victus: ~  
hariniubuntu@victus:~/task-2-git$ git pull origin main --no-rebase --allow-unrelated-histories  
From https://github.com/Harini0712/Elevate-Task-2  
* branch            main       -> FETCH_HEAD  
Merge made by the 'ort' strategy.  
 README.md | 1 +  
 1 file changed, 1 insertion(+)  
 create mode 100644 README.md  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$ git push -u origin main  
Username for 'https://github.com': Harini0712  
Password for 'https://Harini0712@github.com':  
Enumerating objects: 6, done.  
Counting objects: 100% (6/6), done.  
Delta compression using up to 12 threads  
Compressing objects: 100% (3/3), done.  
Writing objects: 100% (5/5), 544 bytes | 544.00 KiB/s, done.  
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0  
To https://github.com/Harini0712/Elevate-Task-2.git  
 62f54ab..beaec1d main -> main  
branch 'main' set up to track 'origin/main'.  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main  
Your branch is up to date with 'origin/main'.  
  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$
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hariniubuntu@victus: ~  
hariniubuntu@victus:~/task-2-git$ git checkout -b feature-branch  
Switched to a new branch 'feature-branch'  
hariniubuntu@victus:~/task-2-git$ git status  
On branch feature-branch  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$ git checkout main  
Switched to branch 'main'  
Your branch is up to date with 'origin/main'.  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main  
Your branch is up to date with 'origin/main'.  
  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$ git checkout feature-branch  
Switched to branch 'feature-branch'  
hariniubuntu@victus:~/task-2-git$ git status  
On branch feature-branch  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$
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hariniubuntu@victus: ~  
hariniubuntu@victus:~/task-2-git$ echo "This change is from feature branch" >> file1.txt  
hariniubuntu@victus:~/task-2-git$ cat file1.txt  
Git first command  
This change is from feature branch  
hariniubuntu@victus:~/task-2-git$ git add .  
hariniubuntu@victus:~/task-2-git$ git commit -m "Added change from feature branch"  
[feature-branch c3d1cb7] Added change from feature branch  
1 file changed, 1 insertion(+)  
hariniubuntu@victus:~/task-2-git$ git checkout main  
Switched to branch 'main'  
Your branch is up to date with 'origin/main'.  
hariniubuntu@victus:~/task-2-git$ cat file1.txt  
Git first command  
hariniubuntu@victus:~/task-2-git$ git merge feature-branch  
Updating beaec1d..c3d1cb7  
Fast-forward  
file1.txt | 1 +  
1 file changed, 1 insertion(+)  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main  
Your branch is ahead of 'origin/main' by 1 commit.  
(use "git push" to publish your local commits)  
  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$ cat file1.txt  
Git first command  
This change is from feature branch  
hariniubuntu@victus:~/task-2-git$
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```
hariniubuntu@victus: ~  
else (seen.add(word) or word)  
for word in s1.split()  
]  
  
s2 = ' '.join(res)  
print(s2)  
hariniubuntu@victus:~/task-2-git$ git checkout main  
Previous HEAD position was 1391b19 Initiated python string code  
Switched to branch 'main'  
Your branch is up to date with 'origin/main'.  
hariniubuntu@victus:~/task-2-git$ git reset --soft 1391b19  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main  
Your branch is behind 'origin/main' by 7 commits, and can be fast-forwarded.  
(use "git pull" to update your local branch)  
  
Changes to be committed:  
(use "git restore --staged <file>..." to unstage)  
new file:   README.md  
new file:   file1.txt  
  
hariniubuntu@victus:~/task-2-git$ git log --oneline  
1391b19 (HEAD -> main) Initiated python string code  
hariniubuntu@victus:~/task-2-git$ git reset --hard 1391b19  
HEAD is now at 1391b19 Initiated python string code  
hariniubuntu@victus:~/task-2-git$ git log --oneline  
1391b19 (HEAD -> main) Initiated python string code  
hariniubuntu@victus:~/task-2-git$
```

```
hariniubuntu@victus: ~  
remote: Total 8 (delta 0), reused 5 (delta 0), pack-reused 0 (from 0)  
Unpacking objects: 100% (8/8), 2.13 KiB | 242.00 KiB/s, done.  
From https://github.com/Harini0712/Elevate-Task-2  
* branch            main       -> FETCH_HEAD  
beaec1d..11d83b8    main       -> origin/main  
Merge made by the 'ort' strategy.  
 README.md          | 28 ++++++  
 replace_words.py   | 13 ++++++  
 2 files changed, 40 insertions(+), 1 deletion(-)  
 create mode 100644 replace_words.py  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main  
Your branch is ahead of 'origin/main' by 2 commits.  
(use "git push" to publish your local commits)  
  
nothing to commit, working tree clean  
hariniubuntu@victus:~/task-2-git$ git push origin main  
Username for 'https://github.com': Harini0712  
Password for 'https://Harini0712@github.com':  
Enumerating objects: 9, done.  
Counting objects: 100% (8/8), done.  
Delta compression using up to 12 threads  
Compressing objects: 100% (5/5), done.  
Writing objects: 100% (5/5), 690 bytes | 690.00 KiB/s, done.  
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0  
To https://github.com/Harini0712/Elevate-Task-2.git  
11d83b8..49b8682    main -> main  
hariniubuntu@victus:~/task-2-git$
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hariniubuntu@victus: ~  
This change is from feature branch  
hariniubuntu@victus:~/task-2-git$ git push -u origin main  
Username for 'https://github.com': Harini0712  
Password for 'https://Harini0712@github.com':  
To https://github.com/Harini0712/Elevate-Task-2.git  
! [rejected]        main -> main (fetch first)  
error: failed to push some refs to 'https://github.com/Harini0712/Elevate-Task-2.git'  
hint: Updates were rejected because the remote contains work that you do not  
hint: have locally. This is usually caused by another repository pushing to  
hint: the same ref. If you want to integrate the remote changes, use  
hint: 'git pull' before pushing again.  
hint: See the 'Note about fast-forwards' in 'git push --help' for details.  
hariniubuntu@victus:~/task-2-git$ git pull origin main --no-rebase --allow-unrelated-histories  
remote: Enumerating objects: 10, done.  
remote: Counting objects: 100% (10/10), done.  
remote: Compressing objects: 100% (7/7), done.  
remote: Total 8 (delta 0), reused 5 (delta 0), pack-reused 0 (from 0)  
Unpacking objects: 100% (8/8), 2.13 KiB | 242.00 KiB/s, done.  
From https://github.com/Harini0712/Elevate-Task-2  
* branch            main              -> FETCH_HEAD  
   beaec1d..11d83b8  main              -> origin/main  
Merge made by the 'ort' strategy.  
 README.md          | 28 ++++++++  
 replace_words.py   | 13 ++++++++  
 2 files changed, 40 insertions(+), 1 deletion(-)  
 create mode 100644 replace_words.py  
hariniubuntu@victus:~/task-2-git$ git status  
On branch main
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Version 2  
Version 3  
hariniubuntu@victus:~/rollback-demo$ vi file.txt  
hariniubuntu@victus:~/rollback-demo$ git add .  
hariniubuntu@victus:~/rollback-demo$ git commit -m "rewrite of v2"  
[master 85e48ee] rewrite of v2  
 1 file changed, 2 insertions(+)  
hariniubuntu@victus:~/rollback-demo$ cat file.txt  
Version 1  
Version 2==rewritten  
Version 3  
hariniubuntu@victus:~/rollback-demo$ git log --oneline  
85e48ee (HEAD -> master) rewrite of v2  
3c9d0fc Version 1 commit  
hariniubuntu@victus:~/rollback-demo$ cat file.txt  
Version 1  
Version 2==rewritten  
Version 3  
hariniubuntu@victus:~/rollback-demo$ git log --oneline  
85e48ee (HEAD -> master) rewrite of v2  
3c9d0fc Version 1 commit  
hariniubuntu@victus:~/rollback-demo$ git reset --hard 3c9d0fc  
HEAD is now at 3c9d0fc Version 1 commit  
hariniubuntu@victus:~/rollback-demo$ git log --oneline  
3c9d0fc (HEAD -> master) Version 1 commit  
hariniubuntu@victus:~/rollback-demo$ cat file.txt  
Version 1  
hariniubuntu@victus:~/rollback-demo$
```



