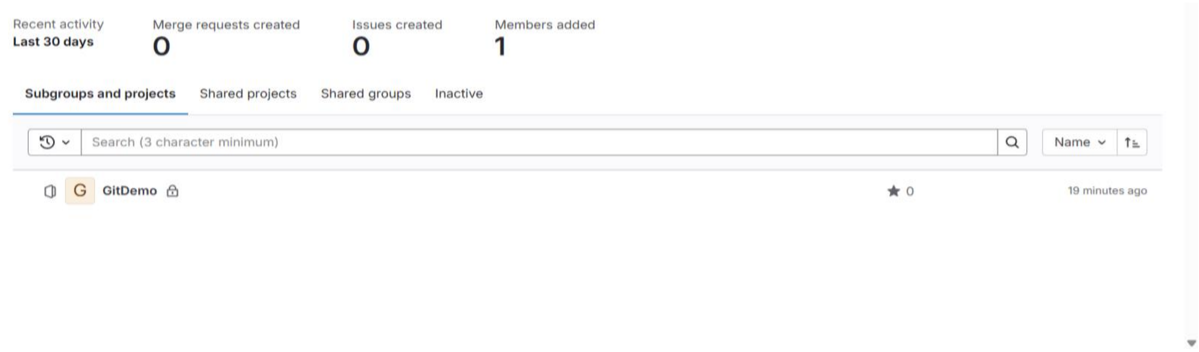
Week 8

1.Git-HOL

Gitbash:

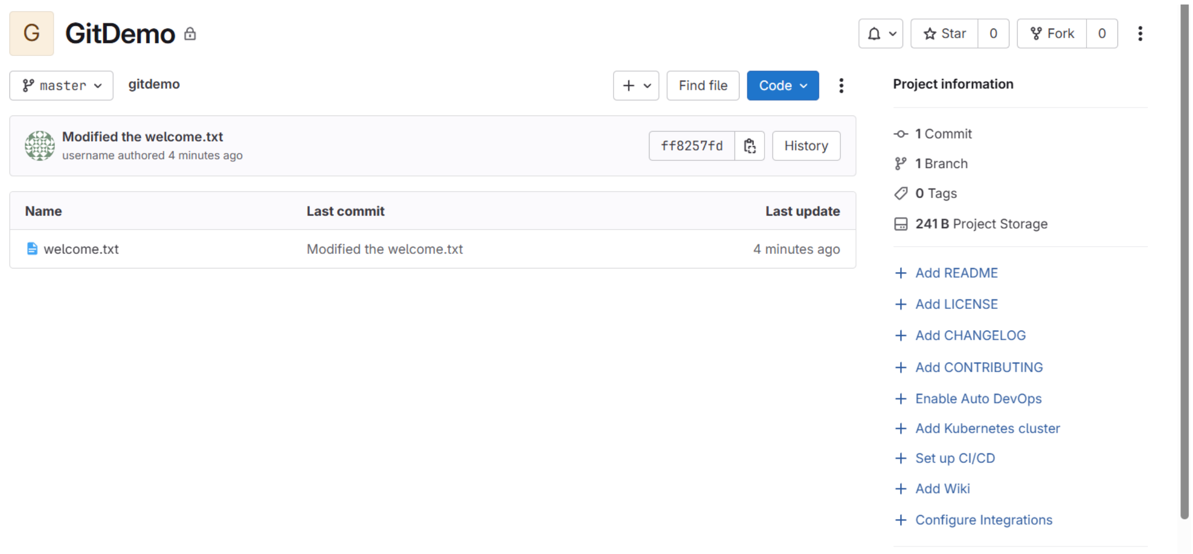
- cd ~/GitDemo
- git init
- git config --global init.defaultBranch master
- echo "Hello, I am Learning Git!" > welcome.txt
- git status
- cat welcome.txt
- git add welcome.txt
- git commit -m "Added welcome.txt file"
- git log
- git push origin master
- git branch --set-upstream-to=origin/master
- git status
- git push
- git add <file-name>
- git commit -a
- git status

Gitlab:



Recent activity Last 30 days	Merge requests created	Issues created	Members added
	0	0	1

G GitDemo	★ 0	19 minutes ago



G GitDemo

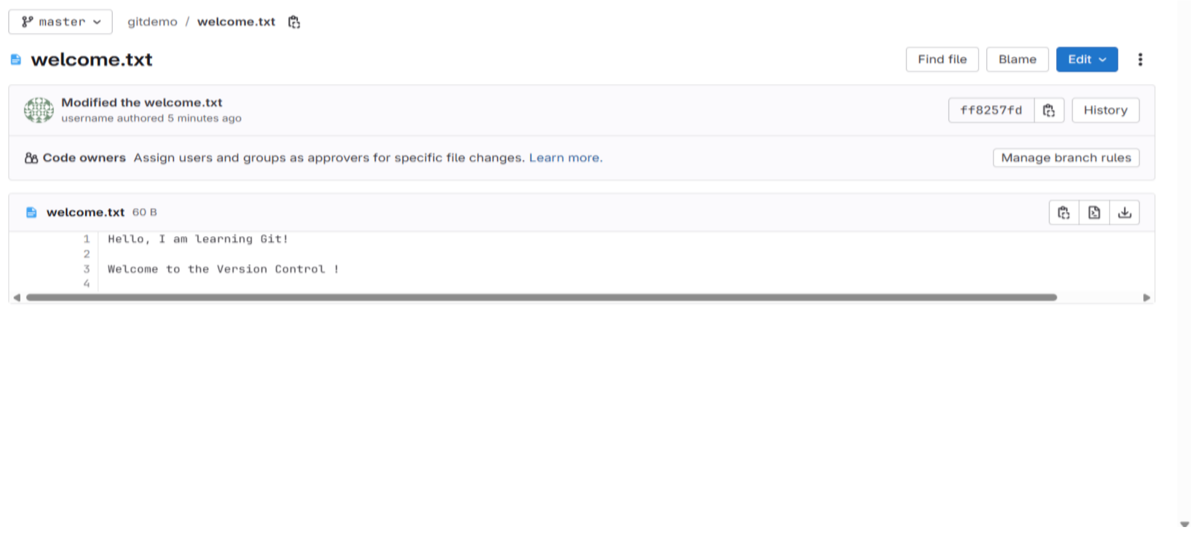
gitdemo

Modified the welcome.txt
username authored 4 minutes ago
ff8257fd

Name	Last commit	Last update
welcome.txt	Modified the welcome.txt	4 minutes ago

Project information

1 Commit
1 Branch
0 Tags
241 B Project Storage



welcome.txt

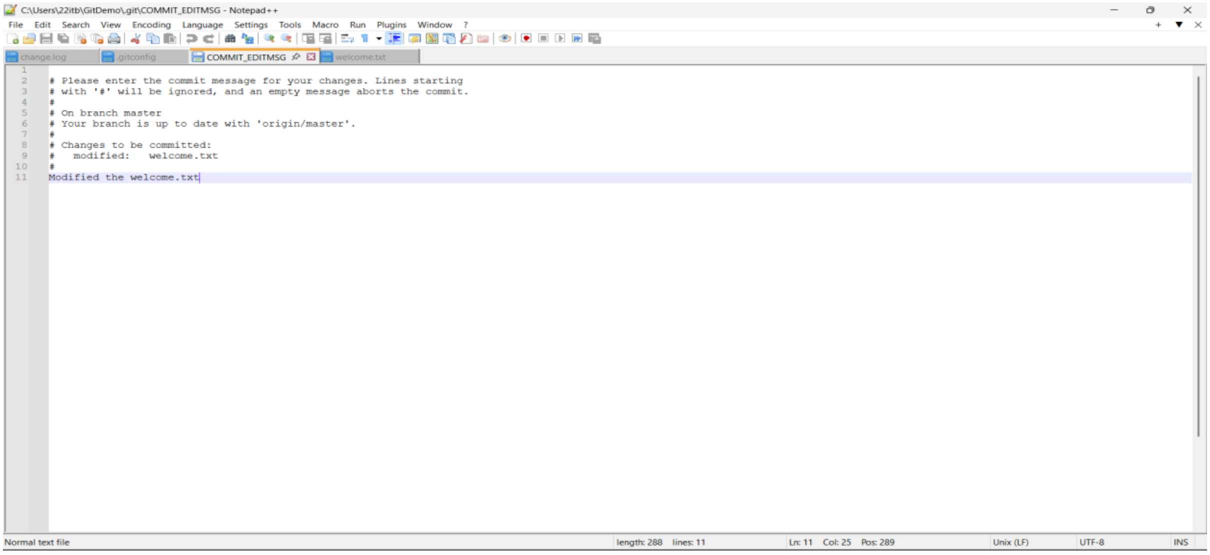
Modified the welcome.txt
username authored 5 minutes ago
ff8257fd

Code owners Assign users and groups as approvers for specific file changes. Learn more.

welcome.txt 60 B

```
Hello, I am learning Git!

Welcome to the Version Control !

```

Notepad++


C:\Users\22itb\GitDemo\.git\COMMIT_EDITMSG - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
change.log
.gitconfig
COMMIT_EDITMSG
welcome.txt
Normal text file
length: 288 lines: 11
Ln: 11 Col: 25 Pos: 289
Unix (LF)
UTF-8
INS

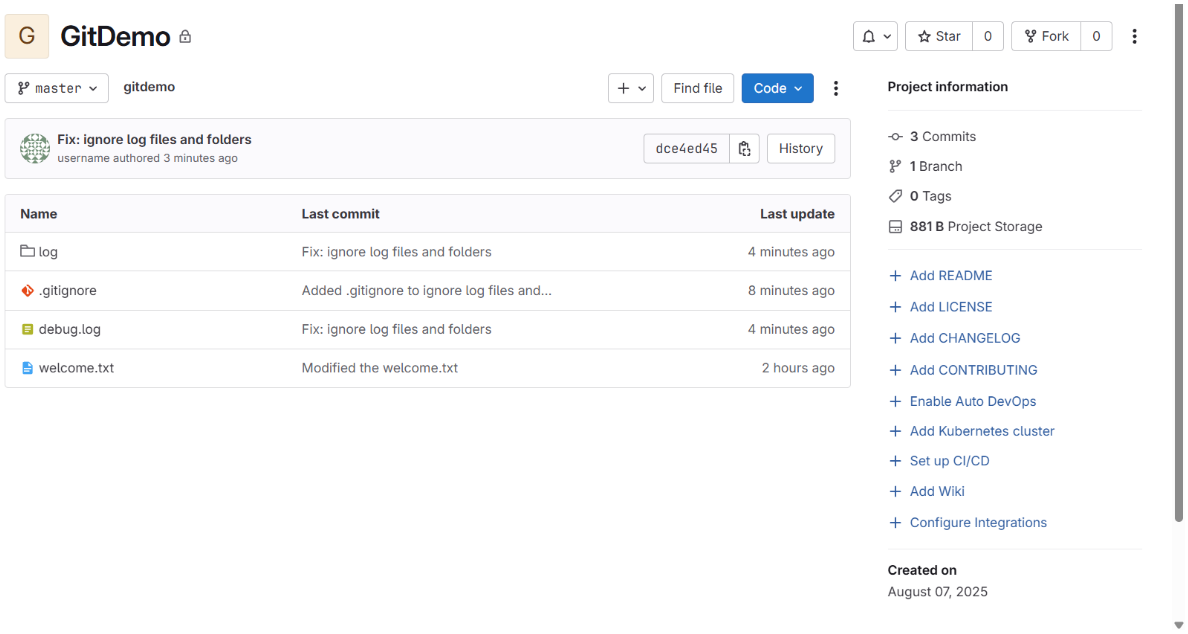
```

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch master
# Your branch is up to date with 'origin/master'.
#
# Changes to be committed:
#	modified:   welcome.txt
#
Modified the welcome.txt
```

2. Git-HOL

Gitbash:

- git rm --cached
- rm .gitignore
- rm welcome.txt
- mkdir log
- echo "Fix: ignore log files and folders" >> .gitignore
- git add .
- git commit -m "Fix: ignore log files and folders"
- git push origin master
- git status

Gitlab:



Fix: ignore log files and folders
username authored 3 minutes ago

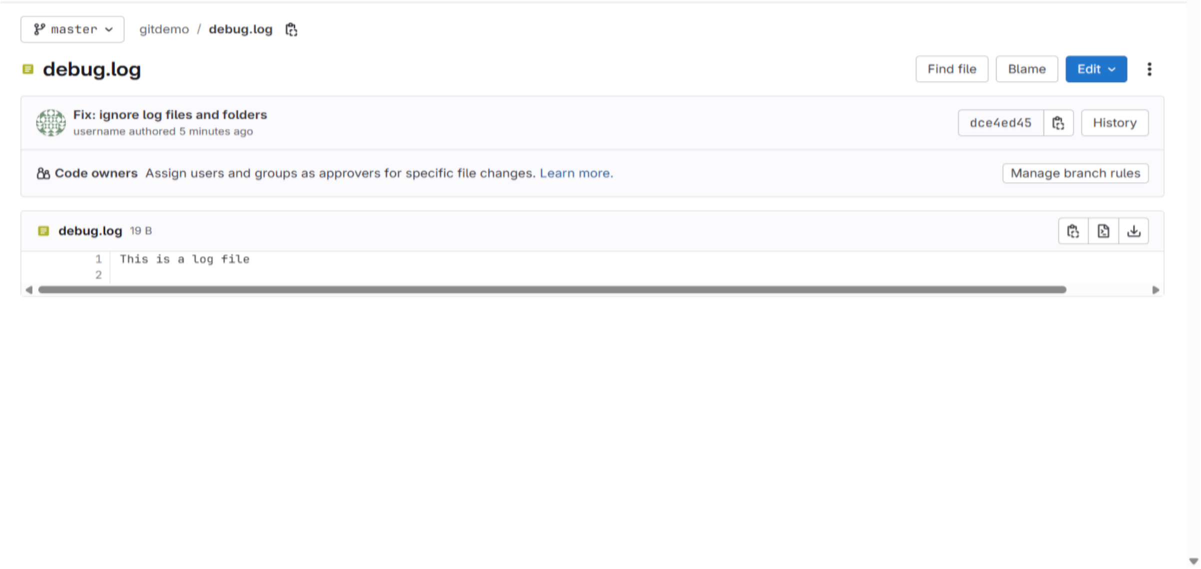
Name	Last commit	Last update
log	Fix: ignore log files and folders	4 minutes ago
.gitignore	Added .gitignore to ignore log files and...	8 minutes ago
debug.log	Fix: ignore log files and folders	4 minutes ago
welcome.txt	Modified the welcome.txt	2 hours ago

Project information

3 Commits
1 Branch
0 Tags
881 B Project Storage

+ Add README
+ Add LICENSE
+ Add CHANGELOG
+ Add CONTRIBUTING
+ Enable Auto DevOps
+ Add Kubernetes cluster
+ Set up CI/CD
+ Add Wiki
+ Configure Integrations

Created on
August 07, 2025



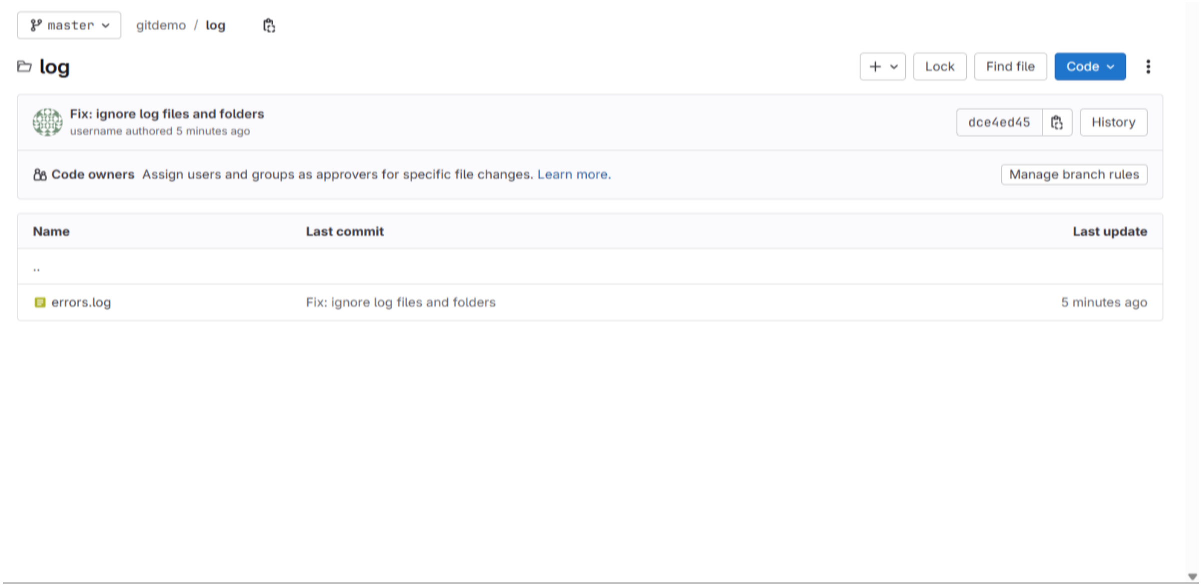
debug.log

Fix: ignore log files and folders
username authored 5 minutes ago

Code owners Assign users and groups as approvers for specific file changes. Learn more.

debug.log 19 B

```
This is a log file

```

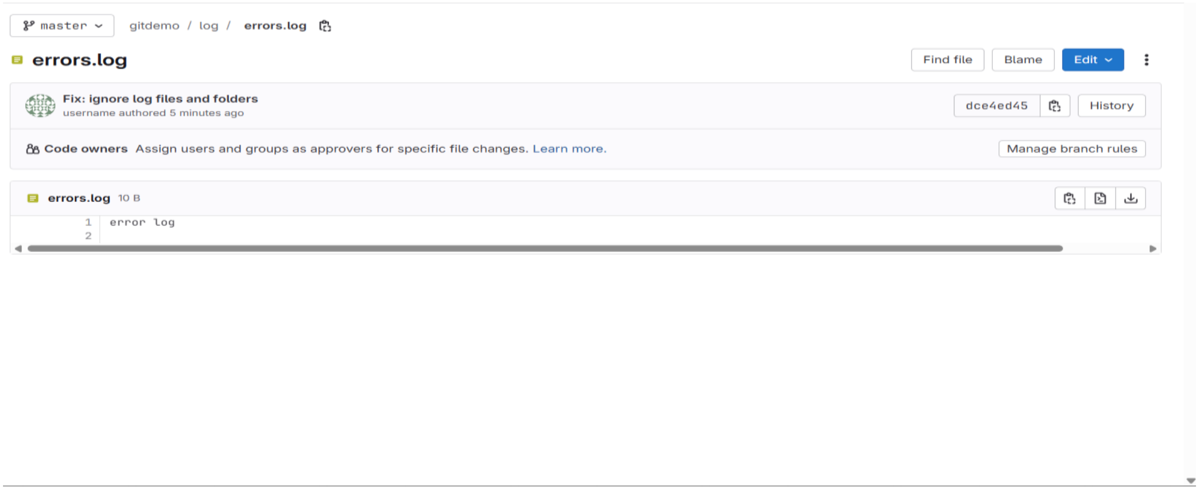


log

Fix: ignore log files and folders
username authored 5 minutes ago

Code owners Assign users and groups as approvers for specific file changes. Learn more.

Name	Last commit	Last update
..		
errors.log	Fix: ignore log files and folders	5 minutes ago



errors.log

Fix: ignore log files and folders
username authored 5 minutes ago

Code owners Assign users and groups as approvers for specific file changes. Learn more.

errors.log 10 B

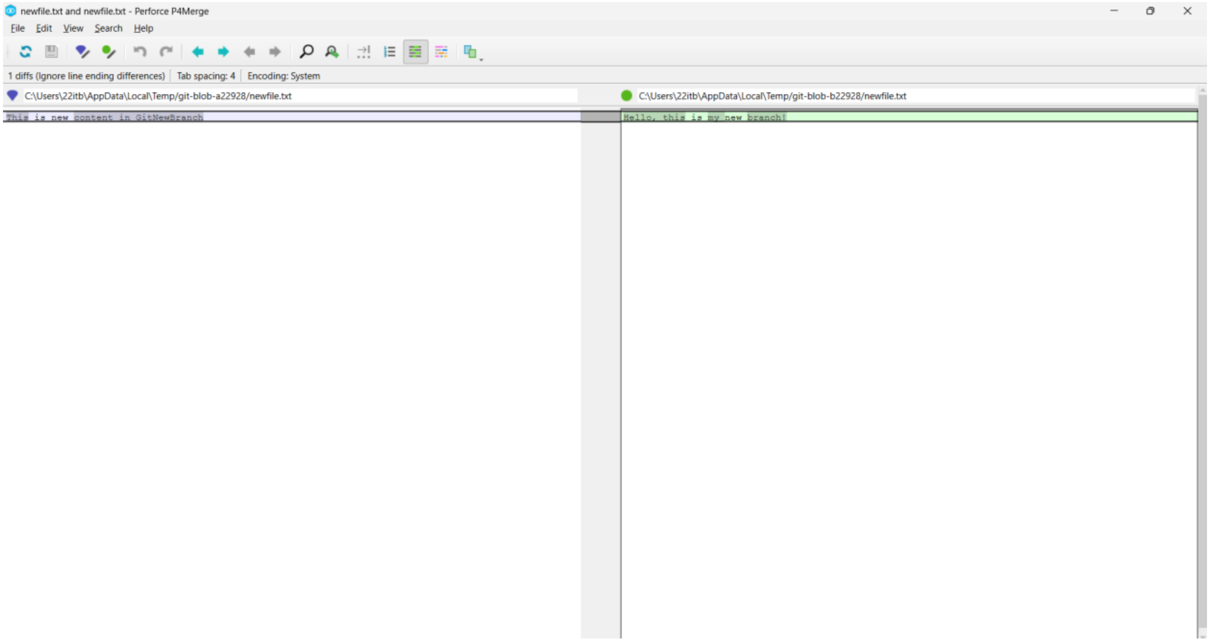
```
error log

```

3. Git-HOL

Gitbash:

- git branch
- echo "Hello, this is my new branch!" > newfile.txt
- git add newfile.txt
- git commit -m "Added newfile.txt in gitnewbranch"
- git status
- git checkout master
- git diff
- echo "This is new content in GitNewBranch" > newfile.txt
- git add newfile.txt
- git commit -m "Added new content in GitNewBranch"
- git checkout master

View the changes by p4merge:



1 diffs (Ignore line ending differences) | Tab spacing: 4 | Encoding: System

C:\Users\22itb\AppData\Local\Temp/git-blob-a22928/newfile.txt

```
This is new content in GitNewBranch
```

C:\Users\22itb\AppData\Local\Temp/git-blob-b22928/newfile.txt

```
Hello, this is my new branch!
```

After resolving the conflict the new branch is deleted:

Deleted the new branch that is “GitNewBranch”:

Gitbash:

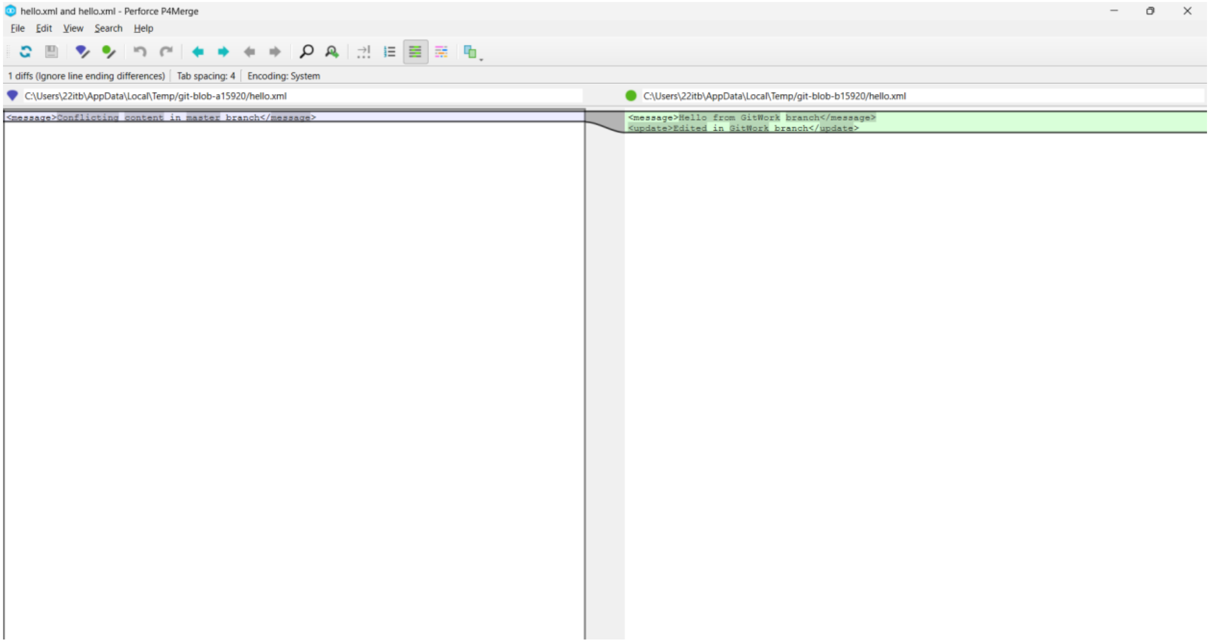
- git status
- git checkout GitNewBranch
- git diff master..GitNewBranch
- git log --oneline --graph --decorate
- git diff master..GitNewBranch
- git branch -D GitNewBranch
- git status

4. Git-HOL

Gitbash:

- git status
- echo "updated/edited in GitWork branch" > hello.xml
- git add hello.xml
- git commit -m "Added and updated hello.xml"
- git checkout master
- git commit -m "Master: Added conflicting hello.xml"
- git log --oneline --graph --decorate
- git diff master..GitWork
- git diff master..GitWork --stat
- git config --global diff.tool vimdiff
- git difftool master..GitWork

P4merge:



hello.xml and hello.xml - Perforce P4Merge
File Edit View Search Help

1 diffs (Ignore line ending differences) | Tab spacing: 4 | Encoding: System

C:\Users\22itb\AppData\Local\Temp/git-blob-a15920/hello.xml

```
<message>Conflicting content in master branch</message>
```

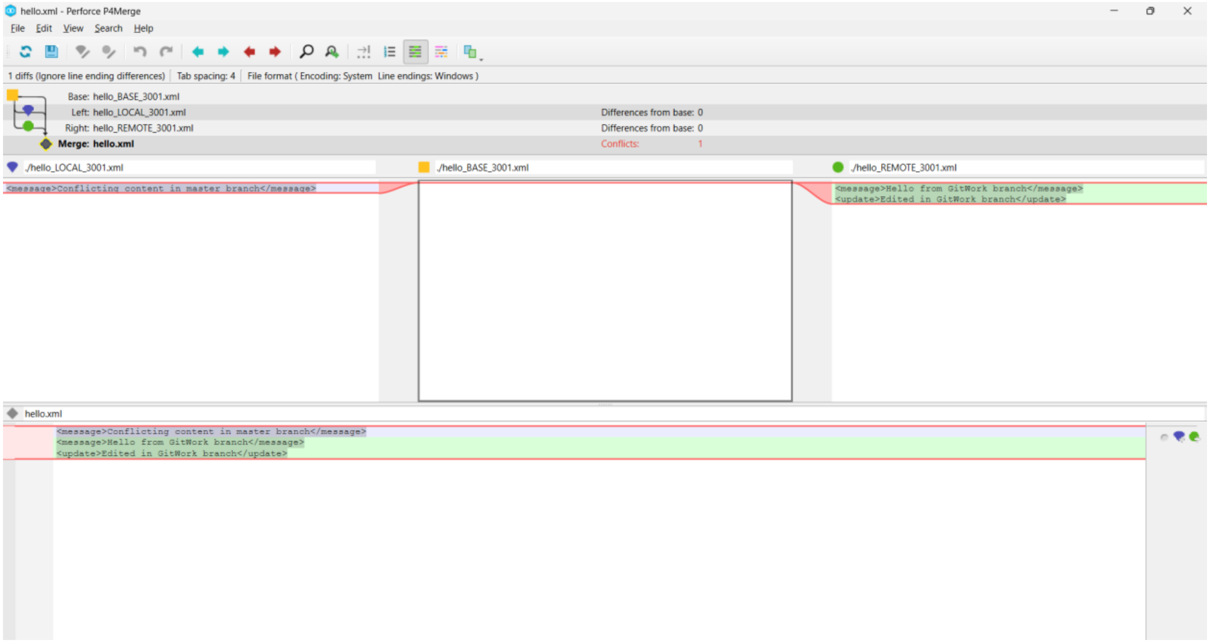
C:\Users\22itb\AppData\Local\Temp/git-blob-b15920/hello.xml

```
<message>Hello from GitWork branch</message>
<update>Edited in GitWork branch</update>
```

Merging Conflict

Gitbash:

- ls
- git mergetool



1 diffs (Ignore line ending differences) | Tab spacing: 4 | File format (Encoding: System Line endings: Windows)

Base: hello_BASE_3001.xml
Left: hello_LOCAL_3001.xml Differences from base: 0
Right: hello_REMOTE_3001.xml Differences from base: 0
Merge: hello.xml Conflicts: 1

./hello_LOCAL_3001.xml

```
<message>Conflicting content in master branch</message>
```

./hello_BASE_3001.xml

./hello_REMOTE_3001.xml

```
<message>Hello from GitWork branch</message>
<update>Edited in GitWork branch</update>
```

hello.xml

```
<message>Conflicting content in master branch</message>
<message>Hello from GitWork branch</message>
<update>Edited in GitWork branch</update>
```

Pushed to master branch

Gitbash:

- git add hello.xml
- git commit -m "Resolved merge conflict in hello.xml"

After merging to master branch, the GitWork branch is deleted:

Gitbash:

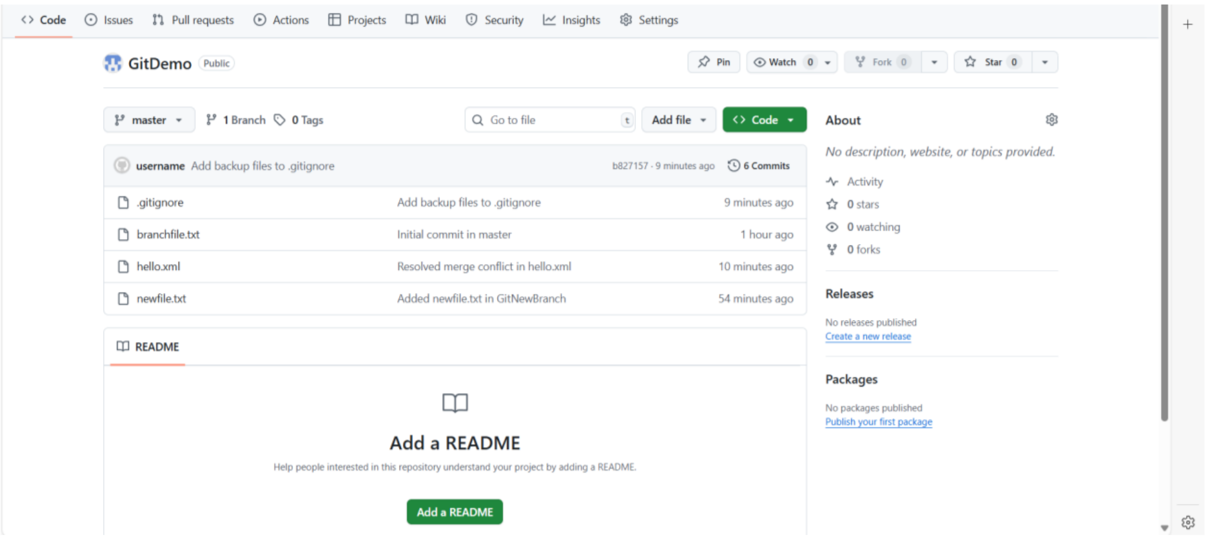
- git log --oneline --graph --decorate

5. Git-HOL

Gitbash:

- git branch
- git pull origin master
- git remote -v
- git remote add origin https://github.com/Babuparsanth27/GitDemo.git
- git remote -v
- git fetch https://github.com/Babuparsanth27/GitDemo.git
- git push --set-upstream origin master

Pushed the code from local to github:



username Add backup files to .gitignore b827157 · 9 minutes ago 6 Commits

.gitignore	Add backup files to .gitignore	9 minutes ago
branchfile.txt	Initial commit in master	1 hour ago
hello.xml	Resolved merge conflict in hello.xml	10 minutes ago
newfile.txt	Added newfile.txt in GitNewBranch	54 minutes ago

No description, website, or topics provided.

0 stars

0 watching

0 forks

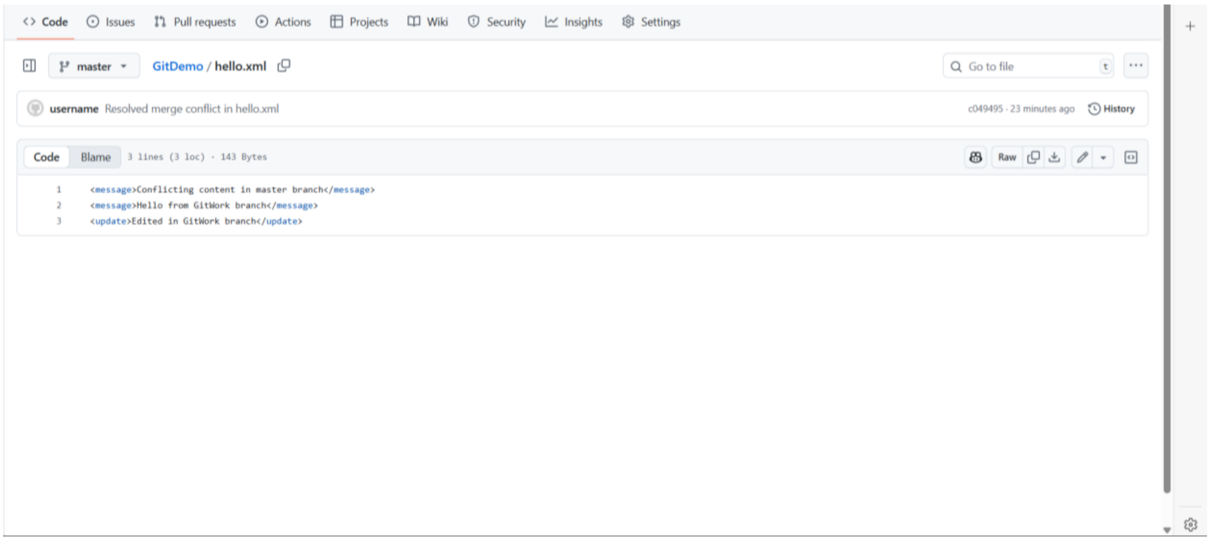
No releases published

No packages published

Add a README

Help people interested in this repository understand your project by adding a README.

Changes are displayed



username Resolved merge conflict in hello.xml c049495 · 23 minutes ago

3 lines (3 loc) · 143 Bytes

```
<message>Conflicting content in master branch</message>
<message>Hello from GitWork branch</message>
<update>Edited in GitWork branch</update>
```