Week 8 - GIT

Task 1 - Configuring Git, Setting Up Notepad++ as Default Editor, and Adding Files to a Repository

C:\Users\gopik\bash - Notepad++

File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

bash

```
1   alias npp='notepad++.exe -multiInst-nosession'
```

MINGW64:/c/Users/gopik

```
gopik@Gopika MINGW64 ~ (main)
$ git init GitDemo
Initialized empty Git repository in C:/Users/gopik/GitDemo/.git/

gopik@Gopika MINGW64 ~ (main)
$ ls -al
total 27485
drwxr-xr-x 1 gopik 197609        0 Jul 30 10:11  ./
drwxr-xr-x 1 gopik 197609        0 Jul 27 23:25  ../
drwxr-xr-x 1 gopik 197609        0 May  5  2024  .VirtualBox/
drwxr-xr-x 1 gopik 197609        0 Feb 28  2024  .anaconda/
drwxr-xr-x 1 gopik 197609        0 Mar 16  2024  .android/
-rw-r--r-- 1 gopik 197609      175 Mar  7  2024  .angular-config.json
drwxr-xr-x 1 gopik 197609        0 Dec 18  2024  .argouml/
-rw-r--r-- 1 gopik 197609     3804 Jul 30 10:10  .bash_history
drwxr-xr-x 1 gopik 197609        0 Apr 15 20:28  .cache/
drwxr-xr-x 1 gopik 197609        0 Feb 28  2024  .conda/
-rw-r--r-- 1 gopik 197609       25 Jan 24  2024  .condarc
drwxr-xr-x 1 gopik 197609        0 Jan 24  2024  .continuum/
drwxr-xr-x 1 gopik 197609        0 Feb  8 22:18  .cursor/
drwxr-xr-x 1 gopik 197609        0 Mar  3 23:02  .eclipse/
-rw-r--r-- 1 gopik 197609       16 Mar 16  2024  .emulator_console_auth_token
drwxr-xr-x 1 gopik 197609        0 Jul 30 07:37  .git/
```

MINGW64:/c/Users/gopik

```
gopik@Gopika MINGW64 ~ (main)
$ echo "Welcome to the version control" >> welcome.txt

gopik@Gopika MINGW64 ~ (main)
$ ls -al
total 27534
drwxr-xr-x 1 gopik 197609        0 Jul 30 10:12  ./
drwxr-xr-x 1 gopik 197609        0 Jul 27 23:25  ../
drwxr-xr-x 1 gopik 197609        0 May  5  2024  .VirtualBox/
drwxr-xr-x 1 gopik 197609        0 Feb 28  2024  .anaconda/
drwxr-xr-x 1 gopik 197609        0 Mar 16  2024  .android/
-rw-r--r-- 1 gopik 197609      175 Mar  7  2024  .angular-config.json
drwxr-xr-x 1 gopik 197609        0 Dec 18  2024  .argouml/
-rw-r--r-- 1 gopik 197609     3804 Jul 30 10:10  .bash_history
drwxr-xr-x 1 gopik 197609        0 Apr 15 20:28  .cache/
drwxr-xr-x 1 gopik 197609        0 Feb 28  2024  .conda/
-rw-r--r-- 1 gopik 197609       25 Jan 24  2024  .condarc
drwxr-xr-x 1 gopik 197609        0 Jan 24  2024  .continuum/
drwxr-xr-x 1 gopik 197609        0 Feb  8 22:18  .cursor/
drwxr-xr-x 1 gopik 197609        0 Mar  3 23:02  .eclipse/
-rw-r--r-- 1 gopik 197609       16 Mar 16  2024  .emulator_console_auth_token
drwxr-xr-x 1 gopik 197609        0 Jul 30 07:37  .git/
-rw-r--r-- 1 gopik 197609      109 Jul 30 10:08  .gitconfig
```

```
MINGW64:/c/Users/gopik                                    —    □    ✕

drwxr-xr-x 1 gopik 197609          0 Jul  5 23:03  eclipse-workspace/
drwxr-xr-x 1 gopik 197609          0 Jan 11  2024  mycomp1/
-rw-r--r-- 1 gopik 197609    4468736 Jul 27 23:25  ntuser.dat.LOG1
-rw-r--r-- 1 gopik 197609    4583424 Jul 27 23:25  ntuser.dat.LOG2
-rw-r--r-- 1 gopik 197609         20 Jul 28 01:24  ntuser.ini
-rw-r--r-- 1 gopik 197609         10 Dec  1  2022  sample.txt
drwxr-xr-x 1 gopik 197609          0 Jan  6  2024  todolist/
drwxr-xr-x 1 gopik 197609          0 Jul 22 12:46  trial/
-rw-r--r-- 1 gopik 197609         31 Jul 30 10:12  welcome.txt

gopik@Gopika MINGW64 ~ (main)
$ cat welcome.txt
Welcome to the version control

gopik@Gopika MINGW64 ~ (main)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
```

```
MINGW64:/c/Users/gopik                                    —    □    ✕

gopik@Gopika MINGW64 ~ (main)
$ git add welcome.txt
warning: in the working copy of 'welcome.txt', LF will be replaced by CRLF the n
ext time Git touches it
```

```
MINGW64:/c/Users/gopik                                    —    □    ✕

gopik@Gopika MINGW64 ~ (main)
$ git commit
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
warning: could not open directory 'Templates/': Permission denied
[main c53d986] Exercise 1
 1 file changed, 1 insertion(+)
 create mode 100644 welcome.txt

gopik@Gopika MINGW64 ~ (main)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
```

MINGW64:/c/Users/gopik

```
gopik@Gopika MINGW64 ~ (main)
$ git pull origin master
remote: Repository not found.
fatal: repository 'https://github.com/Gopika-Kasilingam/trial.git/' not found

gopik@Gopika MINGW64 ~ (main)
$ git remote -v
origin  https://github.com/Gopika-Kasilingam/trial.git (fetch)
origin  https://github.com/Gopika-Kasilingam/trial.git (push)

gopik@Gopika MINGW64 ~ (main)
$ git remote set-url origin https://github.com/Gopika-Kasilingam/GitDemo.git

gopik@Gopika MINGW64 ~ (main)
$ git remote -v
origin  https://github.com/Gopika-Kasilingam/GitDemo.git (fetch)
origin  https://github.com/Gopika-Kasilingam/GitDemo.git (push)

gopik@Gopika MINGW64 ~ (main)
$ git pull origin main
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), 866 bytes | 86.00 KiB/s, done.
```


github.com/Gopika-Kasilingam/GitDemo

Gopika-Kasilingam / GitDemo

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⑂ main ▾   ⑂ 1 Branch   ⬡ 0 Tags   Go to file   Add file ▾   <> Code ▾

About

No description, website, or topics provided.

username Merge branch 'main' of https://github.com/Gopika-Kasilingam/GitDemo   8fdc5db · 33 minutes ago   ⊙ 8 Commits

📖 Readme
⌁ Activity
☆ 0 stars
⊙ 0 watching
⑂ 0 forks

OneDrive/Desktop	new	3 hours ago
README.md	Initial commit	1 hour ago
sample.txt	Commit	last week
welcome.txt	Exercise 1	40 minutes ago

📖 README

GitDemo

Releases

No releases published
Create a new release

Packages

No packages published
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Languages

Task 2 - Ignoring Files and Folders in a Git Repository

MINGW64:/c/Users/gopik/GitDemo

```
gopik@Gopika MINGW64 ~ (main)
$ cd ~/GitDemo

gopik@Gopika MINGW64 ~/GitDemo (master)
$ git branch -m main

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git init
Reinitialized existing Git repository in C:/Users/gopik/GitDemo/.git/

gopik@Gopika MINGW64 ~/GitDemo (main)
$ echo  "This is a test log" > debug.log

gopik@Gopika MINGW64 ~/GitDemo (main)
$ mkdir log
mkdir: cannot create directory 'log': File exists

gopik@Gopika MINGW64 ~/GitDemo (main)
$ mkdir logging

gopik@Gopika MINGW64 ~/GitDemo (main)
$ echo "Some logs" > logging/test.log
```

MINGW64:/c/Users/gopik/GitDemo

```
gopik@Gopika MINGW64 ~/GitDemo (main)
$ touch .gitignore

gopik@Gopika MINGW64 ~/GitDemo (main)
$ notepad++ .gitignore

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        debug.log

nothing added to commit but untracked files present (use "git add" to track)

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git add .gitignore

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git commit -m "Add .gitignore to exclude .logging files and logging/ folder"
```
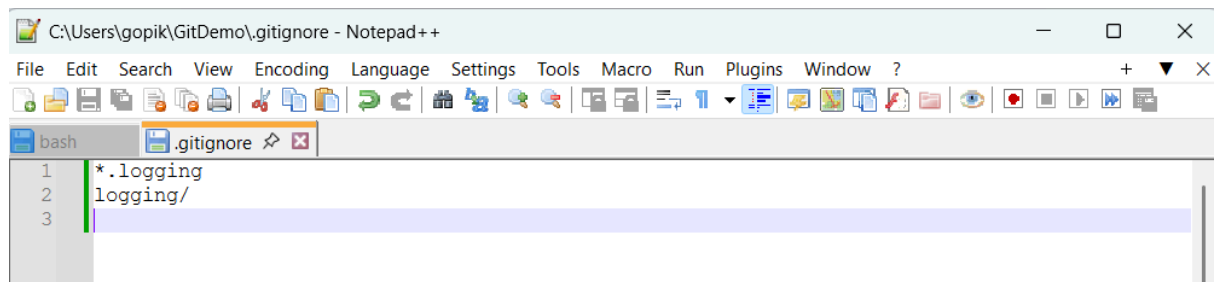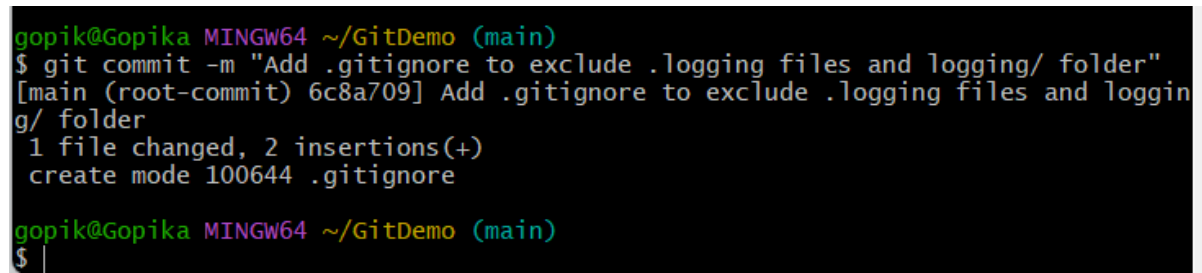
File   Edit   Search   View   Encoding   Language   Settings   Tools   Macro   Run   Plugins   Window   ?

bash   .gitignore

```
1   *.logging
2   logging/
3
```

```
gopik@Gopika MINGW64 ~/GitDemo (main)
$ git commit -m "Add .gitignore to exclude .logging files and logging/ folder"
[main (root-commit) 6c8a709] Add .gitignore to exclude .logging files and loggin
g/ folder
 1 file changed, 2 insertions(+)
 create mode 100644 .gitignore

gopik@Gopika MINGW64 ~/GitDemo (main)
$
```

Task 3 - Branching and Merging in Git with P4Merge

MINGW64:/c/Users/gopik/GitDemo

```
gopik@Gopika MINGW64 ~ (main)
$ git clone https://github.com/Gopika-Kasilingam/GitDemo.git
fatal: destination path 'GitDemo' already exists and is not an empty directory.

gopik@Gopika MINGW64 ~ (main)
$ cd GitDemo

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git init
Reinitialized existing Git repository in C:/Users/gopik/GitDemo/.git/

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git branch GitNewBranch

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git branch -a
  GitNewBranch
* main

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git checkout GitNewBranch
Switched to branch 'GitNewBranch'
```


MINGW64:/c/Users/gopik/GitDemo

```
gopik@Gopika MINGW64 ~/GitDemo (GitNewBranch)
$ echo "This is a test file in GitNewBranch" > branchfile.txt

gopik@Gopika MINGW64 ~/GitDemo (GitNewBranch)
$ echo "Some extra content for testing" > extra.txt

gopik@Gopika MINGW64 ~/GitDemo (GitNewBranch)
$ git add .
warning: in the working copy of 'branchfile.txt', LF will be replaced by CRLF th
e next time Git touches it
warning: in the working copy of 'debug.log', LF will be replaced by CRLF the nex
t time Git touches it
warning: in the working copy of 'extra.txt', LF will be replaced by CRLF the nex
t time Git touches it

gopik@Gopika MINGW64 ~/GitDemo (GitNewBranch)
$ git commit -m "Added branchfile.txt and extra.txt in GitNewBranch"
[GitNewBranch 6930fca] Added branchfile.txt and extra.txt in GitNewBranch
 3 files changed, 3 insertions(+)
 create mode 100644 branchfile.txt
 create mode 100644 debug.log
 create mode 100644 extra.txt
```

```
gopik@Gopika MINGW64 ~/GitDemo (GitNewBranch)
$ git status
On branch GitNewBranch
nothing to commit, working tree clean

gopik@Gopika MINGW64 ~/GitDemo (GitNewBranch)
$ git checkout main
Switched to branch 'main'

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git diff main GitNewBranch
diff --git a/branchfile.txt b/branchfile.txt
new file mode 100644
index 0000000..2ed0be4
--- /dev/null
+++ b/branchfile.txt
@@ -0,0 +1 @@
+This is a test file in GitNewBranch
diff --git a/debug.log b/debug.log
new file mode 100644
index 0000000..b746ca7
--- /dev/null
+++ b/debug.log
```

```
+++ b/debug.log
@@ -0,0 +1 @@
+This is a test log
diff --git a/extra.txt b/extra.txt
new file mode 100644
index 0000000..953b393
--- /dev/null
+++ b/extra.txt
@@ -0,0 +1 @@
+Some extra content for testing

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git config --global diff.tool p4merge

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git config --global difftool.p4merge.path "C:/Program Files/Perforce/p4merge.e
xe"

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git difftool main GitNewBranch

Viewing (1/3): 'branchfile.txt'
Launch 'p4merge' [Y/n]? y
```
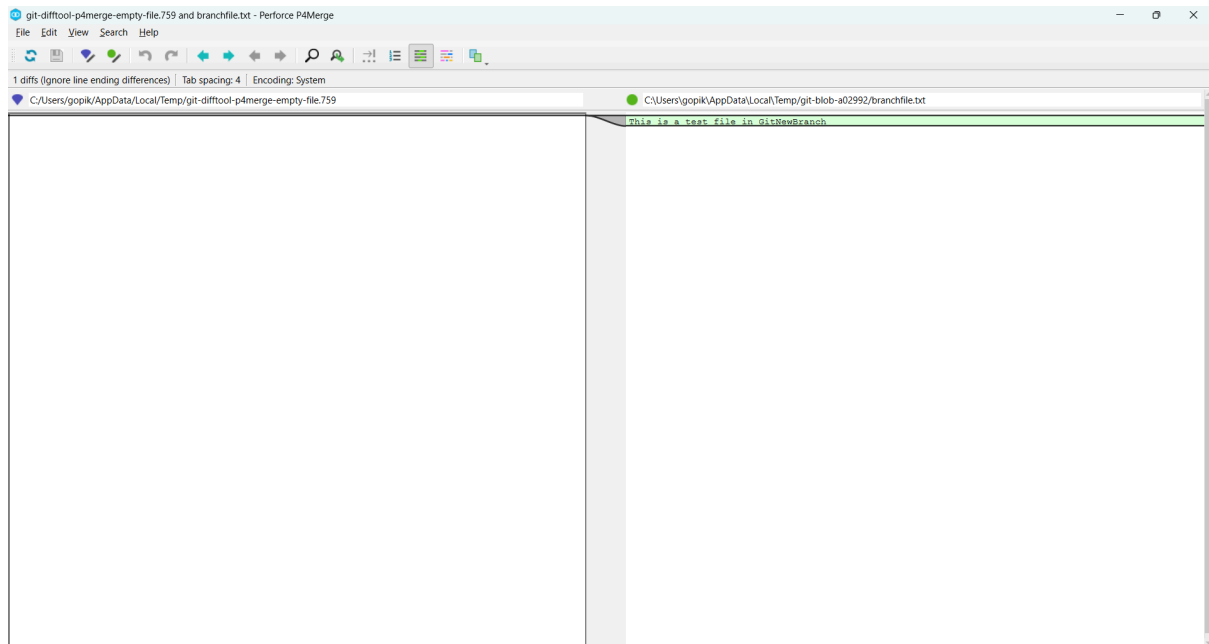
git-difftool-p4merge-empty-file.759 and branchfile.txt - Perforce P4Merge

File Edit View Search Help

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

C:/Users/gopik/AppData/Local/Temp/git-difftool-p4merge-empty-file.759

C:\Users\gopik\AppData\Local\Temp\git-blob-a02992/branchfile.txt

This is a test file in GitNewBranch

MINGW64:/c/Users/gopik/GitDemo

```
gopik@Gopika MINGW64 ~/GitDemo (main)
$ git merge GitNewBranch
Updating 6c8a709..6930fca
Fast-forward
 branchfile.txt | 1 +
 debug.log      | 1 +
 extra.txt      | 1 +
 3 files changed, 3 insertions(+)
 create mode 100644 branchfile.txt
 create mode 100644 debug.log
 create mode 100644 extra.txt

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git log --oneline --graph --decorate
* 6930fca (HEAD -> main, GitNewBranch) Added branchfile.txt and extra.txt in Git
NewBranch
* 6c8a709 Add .gitignore to exclude .logging files and logging/ folder

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was 6930fca).

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git status
```

```
* 6930fca (HEAD -> main, GitNewBranch) Added branchfile.txt and extra.txt in Git
NewBranch
* 6c8a709 Add .gitignore to exclude .logging files and logging/ folder

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was 6930fca).

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git status
On branch main
nothing to commit, working tree clean

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git push origin main
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git remote add origin https://github.com/Gopika-Kasilingam/GitDemo.git
```

```
gopik@Gopika MINGW64 ~/GitDemo (main)
$ git pull origin main --rebase
remote: Enumerating objects: 560, done.
remote: Counting objects: 100% (560/560), done.
remote: Compressing objects: 100% (351/351), done.
remote: Total 560 (delta 95), reused 557 (delta 95), pack-reused 0 (from 0)
Receiving objects: 100% (560/560), 3.66 MiB | 8.48 MiB/s, done.
Resolving deltas: 100% (95/95), done.
From https://github.com/Gopika-Kasilingam/GitDemo
 * branch              main        -> FETCH_HEAD
 * [new branch]        main        -> origin/main
Successfully rebased and updated refs/heads/main.

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git push -u origin main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (8/8), 839 bytes | 839.00 KiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Gopika-Kasilingam/GitDemo.git
```

```
 * [new branch]      main         -> origin/main
Successfully rebased and updated refs/heads/main.

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git push -u origin main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (8/8), 839 bytes | 839.00 KiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Gopika-Kasilingam/GitDemo.git
   8fdc5db..6d79d8c  main -> main
branch 'main' set up to track 'origin/main'.
```

MINGW64:/c/Users/gopik/GitDemo

github.com/Gopika-Kasilingam/GitDemo

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⑂ main ▾	⑂ 1 Branch	⬭ 0 Tags		⌕ Go to file	Add file ▾	<> Code ▾

	username Added branchfile.txt and extra.txt in GitNewBranch	6d79d8c · 6 minutes ago	⟳ 10 Commits
⬚ OneDrive/Desktop	new	2 weeks ago
⬚ .gitignore	Add .gitignore to exclude .logging files and logging/ folder	6 minutes ago
⬚ README.md	Initial commit	2 weeks ago
⬚ branchfile.txt	Added branchfile.txt and extra.txt in GitNewBranch	6 minutes ago
⬚ debug.log	Added branchfile.txt and extra.txt in GitNewBranch	6 minutes ago
⬚ extra.txt	Added branchfile.txt and extra.txt in GitNewBranch	6 minutes ago
⬚ sample.txt	Commit	3 weeks ago
⬚ welcome.txt	Exercise 1	2 weeks ago

⬚ README

About

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Releases

No releases published
Create a new release

Packages

No packages published
Publish your first package

Languages

Task 4 - Resolving Merge Conflicts in Git


```
MINGW64:/c/Users/gopik/GitDemo                          —    □    ✕

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git checkout main
Already on 'main'
Your branch is up to date with 'origin/main'.

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git branch GitWork

gopik@Gopika MINGW64 ~/GitDemo (main)
$ git checkout GitWork
Switched to branch 'GitWork'

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ echo "<message>Hello from GitWork</message>" > hello.xml

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ echo "<note>Updated content in GitWork branch</note>" >> hello.xml
```



```
MINGW64:/c/Users/gopik/GitDemo                          —    □    ✕

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git status
On branch GitWork
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        hello.xml

nothing added to commit but untracked files present (use "git add" to track)

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git add hello.xml
warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the nex
t time Git touches it

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git commit -m "Added hello.xml in main with different content"
[GitWork e33c952] Added hello.xml in main with different content
 1 file changed, 2 insertions(+)
 create mode 100644 hello.xml

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git log --oneline --graph --decorate --all
* e33c952 (HEAD -> GitWork) Added hello.xml in main with different content
* 6d79d8c (origin/main, main) Added branchfile.txt and extra.txt in GitNewBranch
```

```
gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git log --oneline --graph --decorate --all
* e33c952 (HEAD -> GitWork) Added hello.xml in main with different content
* 6d79d8c (origin/main, main) Added branchfile.txt and extra.txt in GitNewBranch
* 1098576 Add .gitignore to exclude .logging files and logging/ folder
*   8fdc5db Merge branch 'main' of https://github.com/Gopika-Kasilingam/GitDemo
|\
| * 6603ae5 Initial commit
* c53d986 Exercise 1
* 4bfc440 new
* 951e058 week 7
* 2358d2d Added Week2 JUnit, Mockito, SLF4J
* a62fc28 add
* 208f5ce Commit

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git diff main GitWork
diff --git a/hello.xml b/hello.xml
new file mode 100644
index 0000000..e80e075
--- /dev/null
+++ b/hello.xml
@@ -0,0 +1,2 @@
+<message>Hello from GitWork</message>
```



```
+<message>Hello from GitWork</message>
+<note>Updated content in GitWork branch</note>

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git config --global diff.tool p4merge

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git config --global difftool.p4merge.path "C:/Program Files/Perforce/p4merge.e
xe"

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git difftool main GitWork

Viewing (1/1): 'hello.xml'
Launch 'p4merge' [Y/n]? y


gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git merge GitWork
Already up to date.

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ cat hello.xml
<message>Hello from GitWork</message>
```
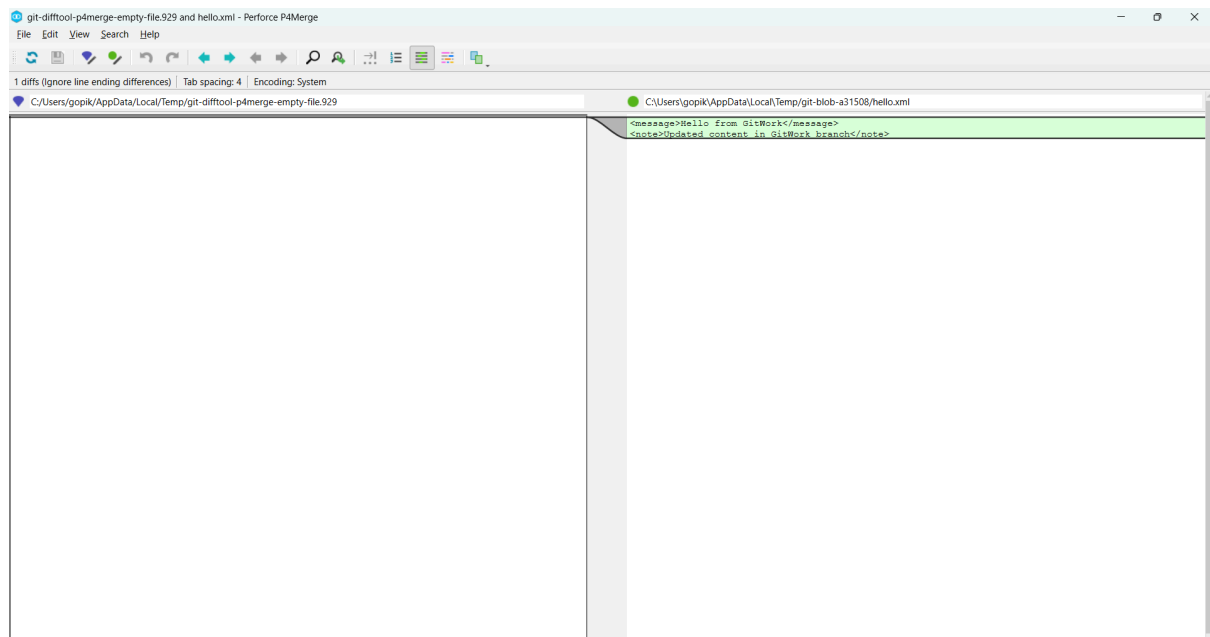
File   Edit   View   Search   Help

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

C:/Users/gopik/AppData/Local/Temp/git-difftool-p4merge-empty-file.929

C:\Users\gopik\AppData\Local\Temp\git-blob-a31508/hello.xml

```
<message>Hello from GitWork</message>
<note>Updated content in GitWork branch</note>
```

MINGW64:/c/Users/gopik/GitDemo

```
gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ cat hello.xml
<message>Hello from GitWork</message>
<note>Updated content in GitWork branch</note>

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git mergetool

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
opendiff kdiff3 tkdiff xxdiff meld tortoisemerge gvimdiff diffuse diffmerge ecme
rge p4merge araxis bc codecompare smerge emerge vimdiff nvimdiff
No files need merging

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git add hello.xml

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ ^C

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git commit -m "Merged GitWork into main and resolved conflict"
On branch GitWork
```

```
gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git commit -m "Merged GitWork into main and resolved conflict"
On branch GitWork
nothing to commit, working tree clean

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git status
On branch GitWork
nothing to commit, working tree clean

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ echo "*.orig" >> .gitignore

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the ne
xt time Git touches it

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git commit -m "Added backup file pattern to .gitignore"
[GitWork dbf8f24] Added backup file pattern to .gitignore
 1 file changed, 1 insertion(+)
```



```
gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git branch
* GitWork
  main

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git branch -d GitWork
error: cannot delete branch 'GitWork' used by worktree at 'C:/Users/gopik/GitDem
o'

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git log --oneline --graph --decorate
* dbf8f24 (HEAD -> GitWork) Added backup file pattern to .gitignore
* e33c952 Added hello.xml in main with different content
* 6d79d8c (origin/main, main) Added branchfile.txt and extra.txt in GitNewBranch
* 1098576 Add .gitignore to exclude .logging files and logging/ folder
*   8fdc5db Merge branch 'main' of https://github.com/Gopika-Kasilingam/GitDemo
|\
| * 6603ae5 Initial commit
* c53d986 Exercise 1
* 4bfc440 new
* 951e058 week 7
* 2358d2d Added Week2 JUnit, Mockito, SLF4J
```

```
MINGW64:/c/Users/gopik/GitDemo                                    —    □    ✕

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git branch -d GitWork
error: cannot delete branch 'GitWork' used by worktree at 'C:/Users/gopik/GitDem
o'

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$ git log --oneline --graph --decorate
* dbf8f24 (HEAD -> GitWork) Added backup file pattern to .gitignore
* e33c952 Added hello.xml in main with different content
* 6d79d8c (origin/main, main) Added branchfile.txt and extra.txt in GitNewBranch
* 1098576 Add .gitignore to exclude .logging files and logging/ folder
*   8fdc5db Merge branch 'main' of https://github.com/Gopika-Kasilingam/GitDemo
|\
| * 6603ae5 Initial commit
* c53d986 Exercise 1
* 4bfc440 new
* 951e058 week 7
* 2358d2d Added Week2 JUnit, Mockito, SLF4J
* a62fc28 add
* 208f5ce Commit

gopik@Gopika MINGW64 ~/GitDemo (GitWork)
$
```

Task 5 - Git Repository Cleanup and Push to Remote

```
gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git commit -m "Work for Git-T03-HOL_002"
On branch Git-T03-HOL_002
nothing to commit, working tree clean

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git push -u origin Git-T03-HOL_002
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'Git-T03-HOL_002' on GitHub by visiting:
remote:        https://github.com/Gopika-Kasilingam/GitDemo/pull/new/Git-T03-HOL_0
02
remote:
To https://github.com/Gopika-Kasilingam/GitDemo.git
 * [new branch]      Git-T03-HOL_002 -> Git-T03-HOL_002
branch 'Git-T03-HOL_002' set up to track 'origin/Git-T03-HOL_002'.

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git checkout Git-T03-HOL_002
Already on 'Git-T03-HOL_002'
Your branch is up to date with 'origin/Git-T03-HOL_002'.

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git push -u origin Git-T03-HOL_002
```



```
gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git push -u origin Git-T03-HOL_002
Everything up-to-date
branch 'Git-T03-HOL_002' set up to track 'origin/Git-T03-HOL_002'.

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "Sample log entry" > test.log

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ mkdir log
mkdir: cannot create directory 'log': File exists

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "This is a log entry" > sample.log

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "Inside log folder" > log/system.log

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "*.log" >> .gitignore

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "log/" >> .gitignore
```

```
MINGW64:/c/Users/gopik/GitDemo                                    —    □    ✕

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "This is a log entry" > sample.log

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "Inside log folder" > log/system.log

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "*.log" >> .gitignore

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ echo "log/" >> .gitignore

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the ne
xt time Git touches it

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$ git commit -m "Ignore .log files and log folder"
[Git-T03-HOL_002 1fcc188] Ignore .log files and log folder
 1 file changed, 2 insertions(+)

gopik@Gopika MINGW64 ~/GitDemo (Git-T03-HOL_002)
$
```