----------------1-----------------------

shafreenshareef@shafreenshareef MINGW64 ~

$ git version

git version 2.50.1.windows.1

shafreenshareef@shafreenshareef MINGW64 ~

$ git config --global user.name "SHAFREEN-SHAREEF-01"

shafreenshareef@shafreenshareef MINGW64 ~

$ git config --global user.email "shaikshafreenshareef@gmail.com"

shafreenshareef@shafreenshareef MINGW64 ~

$ git config --global --list

core.editor="C:\Users\shafreen shareef\AppData\Local\Programs\Microsoft VS Code\bin\code" --wait

user.name=SHAFREEN-SHAREEF-01

user.email=shaikshafreenshareef@gmail.com

shafreenshareef@shafreenshareef MINGW64 ~

$ notepad++

bash: notepad++: command not found

shafreenshareef@shafreenshareef MINGW64 ~

$ notepad++

shafreenshareef@shafreenshareef MINGW64 ~

$ notepad++.exe bash -profile

shafreenshareef@shafreenshareef MINGW64 ~

$ git config --global core.editor "notepad++.exe -multiInst -nosession"

shafreenshareef@shafreenshareef MINGW64 ~

$ git config --global -e

shafreenshareef@shafreenshareef MINGW64 ~

$ git config --global -e

shafreenshareef@shafreenshareef MINGW64 ~

$ git init GitDemo

Initialized empty Git repository in C:/Users/shafreen shareef/GitDemo/.git/

shafreenshareef@shafreenshareef MINGW64 ~

$ cd GitDemo

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ ls -al

total 32

drwxr-xr-x 1 shafreen shareef197121 0 Aug 5 19:07 **.**/

drwxr-xr-x 1 shafreen shareef197121 0 Aug 5 19:07 **..**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:07 **.git**/

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ echo "Welcome to the Version Control" >> welcomw.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ ls -al

total 33

drwxr-xr-x 1 shafreen shareef197121 0 Aug 5 19:09 **.**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:07 **..**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:07 **.git**/

-rw-r--r-- 1 shafreen shareef197121 31 Aug 5 19:09 welcomw.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git mv welcomw.txt welcome.txt

fatal: not under version control, source=welcomw.txt, destination=welcome.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ ls -al

total 33

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:09 **.**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:07 **..**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:10 **.git**/

-rw-r--r-- 1 shafreen shareef 197121 31 Aug 5 19:09 welcomw.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ ^C

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ mv welcomw.txt welcome.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ ls -al

total 33

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:11 **.**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:07 **..**/

drwxr-xr-x 1 shafreen shareef 197121 0 Aug 5 19:10 **.git**/

-rw-r--r-- 1 shafreen shareef 197121 31 Aug 5 19:09 welcome.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ cat welcome.txt

Welcome to the Version Control

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

welcome.txt

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

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git add welcome.txt

warning: in the working copy of 'welcome.txt', LF will be replaced by CRLF the next time Git touches it

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git commit

[main (root-commit) e16b0fb] Added welcome message file

1 file changed, 1 insertion(+)

create mode 100644 welcome.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git remote add origin <https://gitlab.com/shafreen_shareef-group/gitdemo.git>

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git remote add origin https://gitlab.com/shafreen\_shareef-group/gitdemo

error: remote origin already exists.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git push -u origin main

info: please complete authentication in your browser...

To https://gitlab.com/shafreen\_shareef-group/gitdemo.git

! [rejected] main -> main (fetch first)

error: failed to push some refs to 'https://gitlab.com/shafreen\_shareef-group/gitdemo.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.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git pull origin main --allow-unrelated-histories

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)

Unpacking objects: 100% (3/3), 2.75 KiB | 351.00 KiB/s, done.

From https://gitlab.com/shafreen\_shareef-group/gitdemo

\* branch main -> FETCH\_HEAD

\* [new branch] main -> origin/main

Merge made by the 'ort' strategy.

README.md | 93 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

1 file changed, 93 insertions(+)

create mode 100644 README.md

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git push -u origin main

Enumerating objects: 6, done.

Counting objects: 100% (6/6), done.

Delta compression using up to 16 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (5/5), 663 bytes | 663.00 KiB/s, done.

Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://gitlab.com/shafreen\_shareef-group/gitdemo.git

4872621..7bb3bf7 main -> main

branch 'main' set up to track 'origin/main'.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

----------------------------2-------------------------------------

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ echo "This is a test log file" > test.log

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ mkdir log

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ echo "Log data" > log/debug.log

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is up to date with 'origin/main'.

Untracked files:

(use "git add <file>..." to include in what will be committed)

log/

test.log

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

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ notepad++ .gitignore

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git add .gitignore

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git commit -m "Add .gitignore to ignore log files and folder"

[main 018d12b] Add .gitignore to ignore log files and folder

1 file changed, 2 insertions(+)

create mode 100644 .gitignore

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ 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

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git push origin main

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 361 bytes | 361.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://gitlab.com/shafreen\_shareef-group/gitdemo.git

7bb3bf7..018d12b main -> main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$

--------------------3------------------------------------------

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch GitNewBranch

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch

GitNewBranch

\* main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git checkout GitNewBranch

Switched to branch 'GitNewBranch'

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitNewBranch)

$ echo "This filr was created in GitNewBranch" > branchfile.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitNewBranch)

$ git add branchfile.txt

warning: in the working copy of 'branchfile.txt', LF will be replaced by CRLF the next time Git touches it

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitNewBranch)

$ git commit -m "Added branchfile.txt in GitNewBranch"

[GitNewBranch a1e69ea] Added branchfile.txt in GitNewBranch

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitNewBranch)

$ git status

On branch GitNewBranch

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitNewBranch)

$ git checkout main

Switched to branch 'main'

Your branch is up to date with 'origin/main'.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git diff GitNewBranch

**diff --git a/branchfile.txt b/branchfile.txt**

**deleted file mode 100644**

**index 9d401f6..0000000**

**--- a/branchfile.txt**

**+++ /dev/null**

@@ -1 +0,0 @@

-This filr was created in GitNewBranch

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git merge GitNewBranch

Updating 018d12b..a1e69ea

Fast-forward

branchfile.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 branchfile.txt

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git log --online --graph --decorate

fatal: unrecognized argument: --online

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

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

\* a1e69ea (**HEAD** -> **main**, **GitNewBranch**) Added branchfile.txt in GitNewBranch

\* 018d12b (**origin/main**) Add .gitignore to ignore log files and folder

\* 7bb3bf7 Merge branch 'main' of https://gitlab.com/shafreen\_shareef-group/gitdemo Merge remote-tracking branch 'origin/main'

|\

| \* 4872621 Initial commit

\* e16b0fb Added welcome message file

Himasri Muvva@Himasri\_Muvva MINGW64 ~/GitDemo (main)

$ git push origin main

Enumerating objects: 4, done.

Counting objects: 100% (4/4), done.

Delta compression using up to 16 threads

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 422 bytes | 422.00 KiB/s, done.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)

To https://gitlab.com/shafreen\_shareef-group/gitdemo.git

018d12b..a1e69ea main -> main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch -d GitNewBranch

Deleted branch GitNewBranch (was a1e69ea).

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git push origin main

Everything up-to-date

------------------------------------4----------------------------------------

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git checkout main

Already on 'main'

Your branch is up to date with 'origin/main'.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git checkout -b GitWork

Switched to a new branch 'GitWork'

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ echo "<hello>Initial content from GitWork</hello>" > hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ git add hello.xml

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ git commit -m "Add hello.xml in GitWork branch"

[GitWork 7f6380d] Add hello.xml in GitWork branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ echo "<hello>Updated content in GitWork</hello>" > hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ git status

On branch GitWork

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: hello.xml

no changes added to commit (use "git add" and/or "git commit -a")

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ git add hello.xml

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ git commit -m "Update hello.xml content in GitWork"

[GitWork f72fa81] Update hello.xml content in GitWork

1 file changed, 1 insertion(+), 1 deletion(-)

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (GitWork)

$ git checkout main

Switched to branch 'main'

Your branch is up to date with 'origin/main'.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ echo "<hello>Content from main branch</hello>" > hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git add hello.xml

warning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next time Git touches it

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git commit -m "Add hello.xml with content in main branch"

[main 7f88d93] Add hello.xml with content in main branch

1 file changed, 1 insertion(+)

create mode 100644 hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git log --oneline --graph --decorate --all

\* 7f88d93 (**HEAD** -> **main**) Add hello.xml with content in main branch

| \* f72fa81 (**GitWork**) Update hello.xml content in GitWork

| \* 7f6380d Add hello.xml in GitWork branch

|/

\* a1e69ea (**origin/main**) Added branchfile.txt in GitNewBranch

\* 018d12b Add .gitignore to ignore log files and folder

\* 7bb3bf7 Merge branch 'main' of https://gitlab.com/shafreen\_shareef-group/gitdemo Merge remote-tracking branch 'origin/main'

|\

| \* 4872621 Initial commit

\* e16b0fb Added welcome message file

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git diff main GitWork -- hello.xml

**diff --git a/hello.xml b/hello.xml**

**index 9a20d9f..5d50bcf 100644**

**--- a/hello.xml**

**+++ b/hello.xml**

@@ -1 +1 @@

-<hello>Content from main branch</hello>

+<hello>Updated content in GitWork</hello>

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main|MERGING)

$ code hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main|MERGING)

$ rm .hello.xml.swp .hello\_LOCAL\_2315.xml.swp .hello\_REMOTE\_2315.xml.swp hello\_BACKUP\_2315.xml hello\_BASE\_2315.xml hello\_LOCAL\_2315.xml hello\_REMOTE\_2315.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main|MERGING)

$ git add hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main|MERGING)

$ git commit -m "Manually resolved merge conflict in hello.xml"

[main 9ba26fe] Manually resolved merge conflict in hello.xml

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 4 commits.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 4 commits.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ echo "\*\_BACKUP\_\*" >> .gitignore

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git add .gitignore

warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git commit -m "Add backup files to .gitignore"

[main 7510a9e] Add backup files to .gitignore

1 file changed, 1 insertion(+), 1 deletion(-)

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch

GitWork

\* main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch -d GitWork

Deleted branch GitWork (was f72fa81).

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

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

\* 7510a9e (**HEAD** -> **main**) Add backup files to .gitignore

\* 9ba26fe Manually resolved merge conflict in hello.xml

|\

| \* f72fa81 Update hello.xml content in GitWork

| \* 7f6380d Add hello.xml in GitWork branch

\* | 7f88d93 Add hello.xml with content in main branch

|/

\* a1e69ea (**origin/main**) Added branchfile.txt in GitNewBranch

\* 018d12b Add .gitignore to ignore log files and folder

\* 7bb3bf7 Merge branch 'main' of https://gitlab.com/shafreen\_shareef-group/gitdemo Merge remote-tracking branch 'origin/main'

|\

| \* 4872621 Initial commit

\* e16b0fb Added welcome message file

------------------------5---------------------------------------------

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git checkout main

Already on 'main'

Your branch is ahead of 'origin/main' by 5 commits.

(use "git push" to publish your local commits)

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git status

On branch main

Your branch is ahead of 'origin/main' by 5 commits.

(use "git push" to publish your local commits)

nothing to commit, working tree clean

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch

\* main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git branch -a

\* main

remotes/origin/main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git pull origin main

From https://gitlab.com/himasri\_muvva-group/gitdemo

\* branch main -> FETCH\_HEAD

Already up to date.

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$ git push origin main

Enumerating objects: 17, done.

Counting objects: 100% (17/17), done.

Delta compression using up to 16 threads

Compressing objects: 100% (11/11), done.

Writing objects: 100% (15/15), 1.52 KiB | 1.52 MiB/s, done.

Total 15 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)

To https://gitlab.com/himasri\_muvva-group/gitdemo.git

a1e69ea..7510a9e main -> main

shafreenshareef@shafreenshareef MINGW64 ~/GitDemo (main)

$