

22/8/2022

Git bash

git config --global user.name

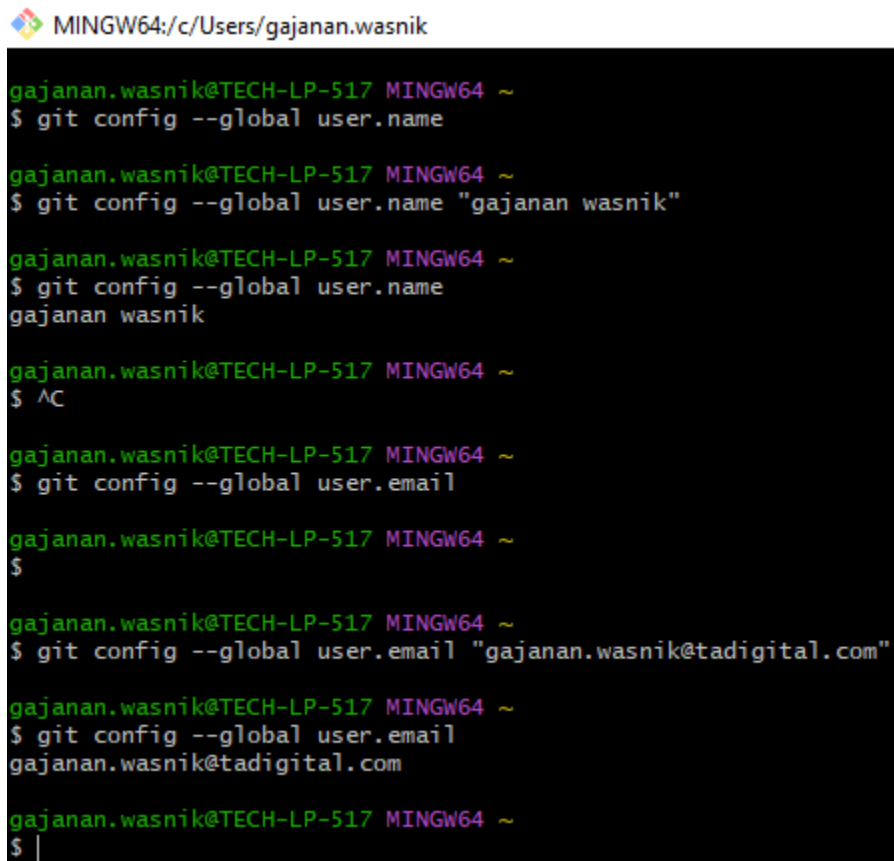
if name doesnt appears then \$ git config --global user.name "gajanan wasnik"

then it will show the name

git config --global user.email

if email doesnt appears then type git config --global user.email "gajanan.wasnik@tadigital.com"

then name appears



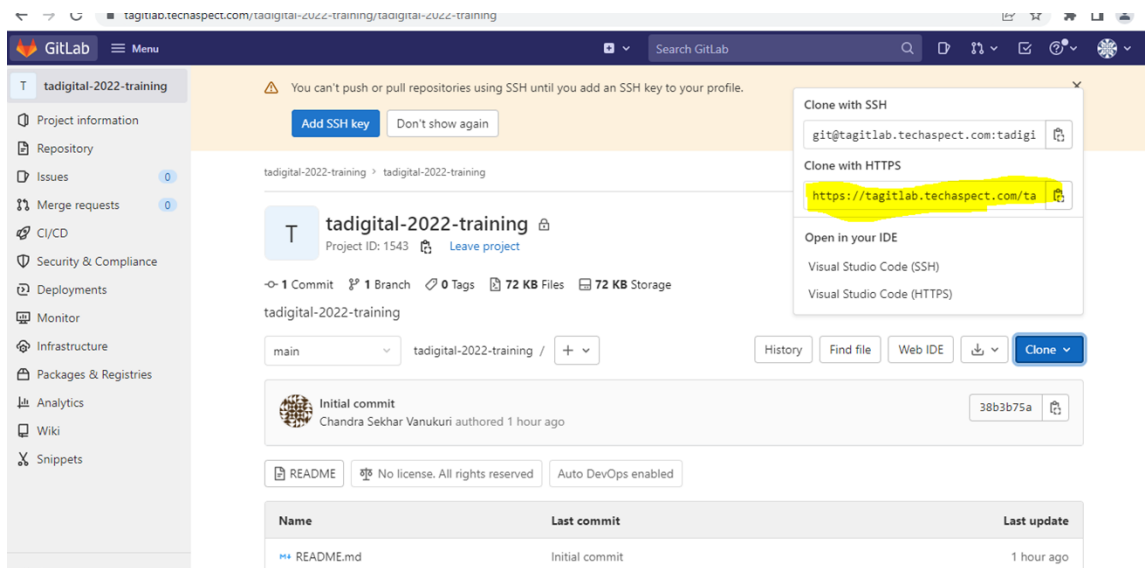
```
MINGW64:/c/Users/gajanan.wasnik
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ git config --global user.name
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ git config --global user.name "gajanan wasnik"
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ git config --global user.name
gajanan wasnik
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ ^C
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ git config --global user.email
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ git config --global user.email "gajanan.wasnik@tadigital.com"
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ git config --global user.email
gajanan.wasnik@tadigital.com
gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ |
```

\$ vi ~/.gitconfig

shows the full username and email address associated with it.

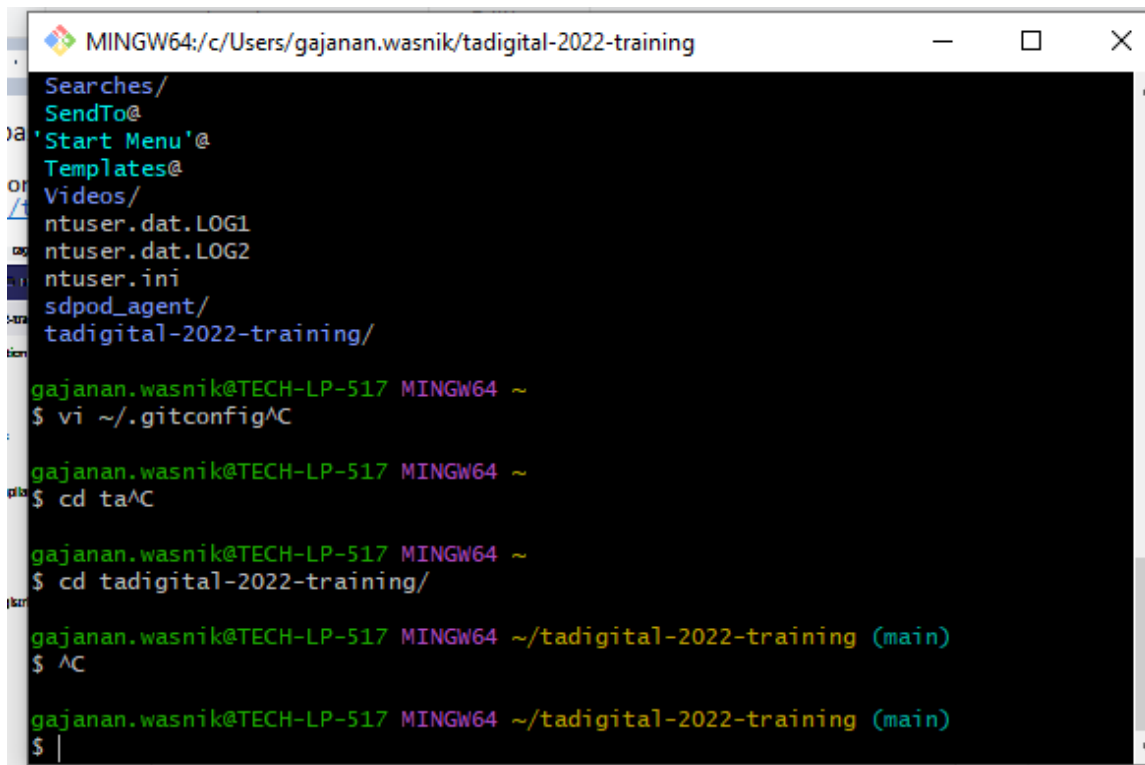
copying base repository in individula machines

```
$ git clone  
https://tagitlab.techaspect.com/tadigital-2022-training/tadigital-2022-training.git
```



after this credentials for git credential manager same as tagitlab

to change the directory command : `$ cd tadigital-2022-training/`



git status // origin main means server copy of base // working tree is on the machine // as nothing is added so **clean** is being shown

```
MINGW64:/c/Users/gajanan.wasnik/tadigital-2022-training
ntuser.ini
sdpod_agent/
tadigital-2022-training/

gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ vi ~/.gitconfig^C

gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ cd ta^C

gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ cd tadigital-2022-training/

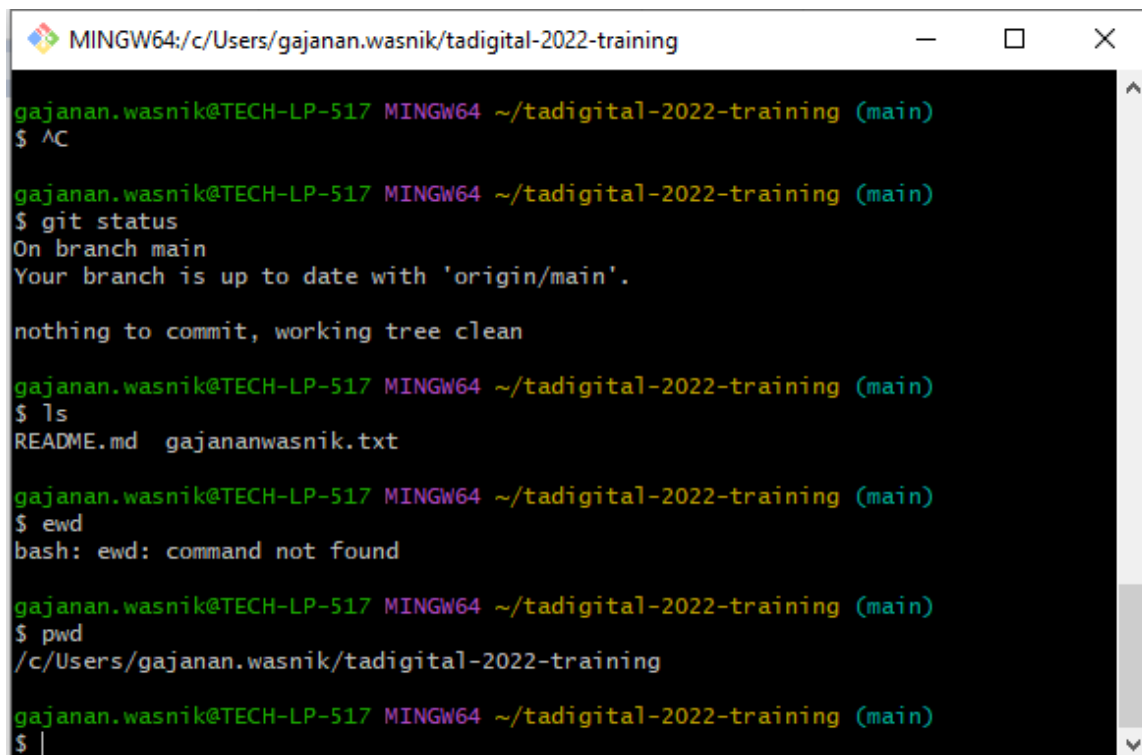
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ^C

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ |
```

command **pwd**: to know the full location of the folder you are working on.



```
MINGW64:/c/Users/gajanan.wasnik/tadigital-2022-training

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ^C

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ls
README.md  gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ewd
bash: ewd: command not found

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ pwd
/c/Users/gajanan.wasnik/tadigital-2022-training

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$
```

then git status , as it is not connected to server

To add the file use git add gajananwasnik.txt

to save temporarily we use stage commandstaging means only temporary saving and not committing.

```
MINGW64:/c/Users/gajanan.wasnik/tadigital-2022-training
$ 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)
        gajananwasnik.txt

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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git add gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$
```

git commit -m "first commit" // m is for message

```
MINGW64:/c/Users/gajanan.wasnik/tadigital-2022-training
        gajananwasnik.txt

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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git add gajananwasnik.txt

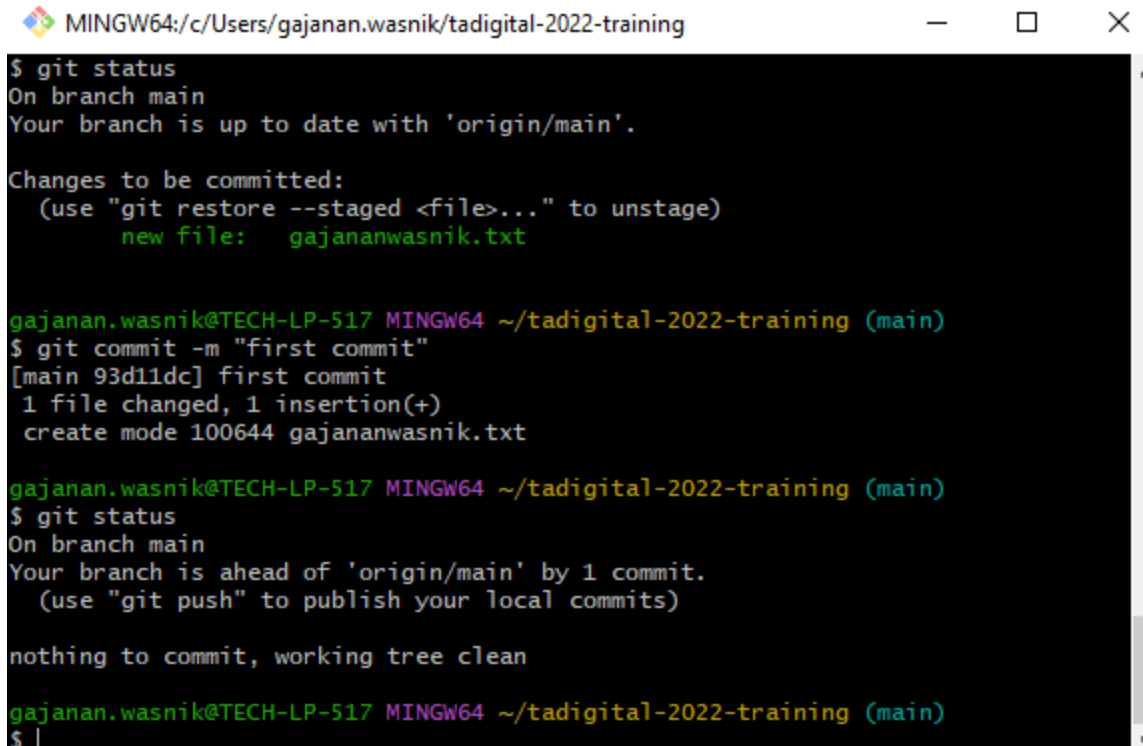
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git commit -m "first commit"
[main 93d11dc] first commit
1 file changed, 1 insertion(+)
create mode 100644 gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$
```

git status

A terminal window titled 'MINGW64:/c/Users/gajanan.wasnik/tadigital-2022-training' with standard window controls. The terminal shows a sequence of Git commands and their outputs. First, 'git status' shows the branch is up to date with 'origin/main'. Then, 'git commit -m "first commit"' is executed, creating a new file 'gajananwasnik.txt'. Finally, 'git status' is run again, showing the branch is ahead of 'origin/main' by 1 commit, and the working tree is clean.

```
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git commit -m "first commit"
[main 93d11dc] first commit
1 file changed, 1 insertion(+)
create mode 100644 gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ |
```

command ls // to see the list of files

If we mke some chnages locally then this :

```

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ls
README.md  gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:   gajananwasnik.txt

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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git add gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   gajananwasnik.txt

```

To restore the last commit :

```

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git restore --staged gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:   gajananwasnik.txt

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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ |

```

to restore everything :

use git restore gajananwasnik.txt

to see the list of files :

then check the git status

```
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git restore gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ls
README.md  gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ |
```



```

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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:   gajananwasnik.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        new2.txt

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

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git add new2.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   new2.txt

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:   gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git add gajananwasnik.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   gajananwasnik.txt
        new file:   new2.txt

```

then commit both the files :

by git commit -m "second commit"

```

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git commit -m "second commit"
[main fdc4519] second commit
2 files changed, 3 insertions(+), 1 deletion(-)
create mode 100644 new2.txt

```

to push the code use : `git push origin main`

```
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git push origin main
To https://tagitlab.techaspect.com/tadigital-2022-training/tadigital-2022-training.g
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://tagitlab.techaspect.com/tadigital-2022-t
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first 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.

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ |
```

in order to see the changes :

git diff

git pull

git status

git checkout test1

Switched to a new branch 'test1'

branch 'test1' set up to track 'origin/test1'.

```

gajanan.wasnik@TECH-LP-517 MINGW64 ~
$ cd tadigital-2022-training/

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ ls
README.md  abcd.txt  gajananwasnik.txt  new2.txt  newfile.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (main)
$ git checkout test1
Switched to a new branch 'test1'
branch 'test1' set up to track 'origin/test1'.

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)
$ ^C

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)
$ |

```

in case of swap file issue

run vi .gitignore

type *.swp

*.tmp in the file

to exit escape + shift + ; + wq then it should exit

then

git status

git add .gitignore

to change the editor run

```
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)
```

```
$ git config --global code.editor "notepad"
```

to remove the file

```
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)
```

```
$ rm newfile.txt
```

```
gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)
```

```
$ git status
```

On branch test1

Your branch is ahead of 'origin/test1' by 2 commits.

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

Changes not staged for commit:

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

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

deleted: newfile.txt

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

TO RESTORE

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)

\$ git restore newfile.txt

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)

\$ git status

On branch test1

Your branch is ahead of 'origin/test1' by 2 commits.

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

nothing to commit, working tree clean

TO CHANGE THE FILE NAME :

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)

\$ mv abcd.txt abcd2.txt

THEN USE git status

THIS IS BY USING GIT COMMAND

git mv abcd.txt abcd2.txt

first switch it to your branch

test2 tadigital-2022-training / +

History Find file Web IDE 800c6913 Clone

Switch branch/tag

Search branches and tags

Branches

- test1
- main
- ✓ test2
- sansriti.sharma-main-patch-41515
- mounika.gummadi-main-patch-30310
- niveditha.g-main-patch-38005

Last update
4 hours ago
2 hours ago
2 hours ago

tadigital-2022-training

tadigital-2022-training

FOR GIT PULL USE

gajanan.wasnik@TECH-LP-517 MINGW64 ~/tadigital-2022-training (test1)

```
$ git pull
https://tagitlab.techaspect.com/tadigital-2022-training/tadigital-2022-training.git
```

23/08/2022

use **git branch** to see the local branches and not the remote branches

use **git branch -a** to see the remote branches

To change the branch use **git checkout test1**

git switch branchname

git switch -c brnchnme

n/HEAD -> origin/main

remotes/origin/main

remotes/origin/test1

remotes/origin/test2

remotes/origin/test4

To create and switch to the branch immediately then **git checkout -b "test8"**

rm -rf foldername to delete the folder

vi abcd.txt

git commit -m "23th chnge"

`git log --oneline` : To see the log in one line

`git log --oneline --decorate --graph` : graphical chnges of branch changes

Push the chnges to main branch

Switch to main branch first

then `git merge test8` : this merges

git chekout test8

`-am` is the command thoeugh which u can add and commit also at the same time

modiffy the file test8

`git commit -am "test8 branch change"`

`git hist` : to see the changes

In case both the files aremodified then we need to resolve the issues by opening the file and keeping the chnges we need and removing chnges which we do not require.

`git merge test8 --no-ff` : which means no fast forward

`git config --global alias.hist "log --all --graph --decorate --oneline"` : to save this command as `git hist`

pulling latest code base in our local branch - **rebase**

`git branch t1` : create new brnch

rename a branch :

`git branch -m currentname newname`

rename current working branch : `git branch -m newnameforurbranchhere`

`git branch -d <branchname>` : to delete a branch

.

.

