hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ git config --global user.name Ansh Savadatti

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ git config --global user.email anshsavadatti@gmail.com

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ git config --global user.name

Ansh

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ git config --global user.email

anshsavadatti@gmail.com

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ git config --global user.name

Ansh

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ code .

// to turn on vs code

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub

$ git init

Initialized empty Git repository in C:/Users/hp/Desktop/LU/Git hub/.git/

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ ls -lart

total 29

drwxr-xr-x 1 hp 197121 0 Apr 3 20:36 ../

drwxr-xr-x 1 hp 197121 0 Apr 3 20:48 .git/

-rw-r--r-- 1 hp 197121 162 Apr 3 20:48 '~$it hub.docx'

-rw-r--r-- 1 hp 197121 12847 Apr 3 20:50 'git hub.docx'

drwxr-xr-x 1 hp 197121 0 Apr 3 20:50 ./

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

No commits yet

Untracked files:

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

.vscode/

git hub.docx

~$it hub.docx

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

// our file is not tracked

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git add first.c

// we are adding this file in repository

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: first.c

//green colour shows that it is in staging area

Untracked files:

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

.vscode/

git hub.docx

~$it hub.docx

~WRL0005.tmp

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git commit

[master (root-commit) 6161179] Initial commit

1 file changed, 5 insertions(+)

create mode 100644 first.c

// esc + : + w + q to exit the whim editor

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ touch second.c

// touch is command to make a new file

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ touch third.c

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

Untracked files:

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

.vscode/

git hub.docx

second.c

third.c

~$it hub.docx

~WRL0005.tmp

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

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git add –A

// add –A is the function to add all the files in repository

warning: in the working copy of '.vscode/c\_cpp\_properties.json', LF will be replaced by CRLF the next time Git touches it

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

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

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .vscode/c\_cpp\_properties.json

new file: .vscode/launch.json

new file: .vscode/settings.json

new file: git hub.docx

new file: second.c

new file: third.c

new file: ~$it hub.docx

new file: ~WRL0005.tmp

// all the files are in staging area

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

new file: .vscode/c\_cpp\_properties.json

new file: .vscode/launch.json

new file: .vscode/settings.json

new file: git hub.docx

new file: second.c

new file: third.c

new file: ~$it hub.docx

new file: ~WRL0005.tmp

// here the original copy of the file is stored not modified

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: .vscode/settings.json

modified: git hub.docx

modified: second.c

// here the modified version are not there in staging area

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git commit -m "Added more C's"

// if we don’t want to deal with whim command just type –m command and a message

//will commit all the files at once present in the folder

[master 25b7c98] Added more C's

8 files changed, 87 insertions(+)

create mode 100644 .vscode/c\_cpp\_properties.json

create mode 100644 .vscode/launch.json

create mode 100644 .vscode/settings.json

create mode 100644 git hub.docx

create mode 100644 second.c

create mode 100644 third.c

create mode 100644 ~$it hub.docx

create mode 100644 ~WRL0005.tmp

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git checkout second.c

Updated 1 path from the index

// if the file is deleated or updated it can be recovered like this

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git checkout –f

// git checkout –f is command by which we restore all the data of all the files

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git log

// shows us history of our commits

commit 25b7c9859a910365b3534e040763e1c970a35767 (HEAD -> master)

Author: Ansh <anshsavadatti@gmail.com>

Date: Mon Apr 3 21:22:28 2023 +0530

Added more C's

commit 6161179d0d7fb497733bf89e345fc92177dd086c

Author: Ansh <anshsavadatti@gmail.com>

Date: Mon Apr 3 21:08:53 2023 +0530

Initial commit

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git commit -p -2

// filters our history like we can watch one history if we want

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git diff

// compares our working tree to staging area

**diff --git a/first.c b/first.c**

**index b7f206f..df29a74 100644**

**--- a/first.c**

**+++ b/first.c**

@@ -1,5 +1,6 @@

#include<Stdio.h>

int main(){

printf("Hello world");

+ printf("\nhi");

return 0;

}

\ No newline at end of file

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git diff –staged

// compares out staging area with last commit

**diff --git a/first.c b/first.c**

**index b7f206f..df29a74 100644**

**--- a/first.c**

**+++ b/first.c**

@@ -1,5 +1,6 @@

#include<Stdio.h>

int main(){

printf("Hello world");

+ printf("\nhi");

return 0;

}

\ No newline at end of file

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git commit -a -m"skipped staging area and skipped>"

// to skip staging area and directly commit

[master 8ef670f] skipped staging area and skipped>

1 file changed, 1 insertion(+)

// process to delete a file which is commited

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git commit -a -m"Adding waste.c"

// first adding the file

[master e1345e7] Adding waste.c

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 waste.c

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

nothing to commit, working tree clean

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ ls

// tells us the files present

first.c forth.html second.c third.c third.exe\* waste.c

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git rm --cached waste.c

// git rm –cached removes the files from commit but it will be there in memory of laptop

rm 'waste.c'

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

deleted: waste.c

Untracked files:

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

waste.c

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git add -A

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git rm waste.c

// deletes the files even from hard memory

rm 'waste.c'

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status -s

// gives brief summary of modified files

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status -s

M first.c

M second.c

M third.c

// this M shows modified in working tree as compared to commits

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git add first.c

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status -s

M first.c

M second.c

M third.c

// green M shows the file is modified in staging area as compaired to commit

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status -s

MM first.c

M second.c

M third.c

\*.log

ignores/

\*log means all the .log files will be ignored for eg if I write

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git branch feature1

//we can create a branch by using branch keyword

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git branch

feature1

\* master

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git branch feature1

fatal: a branch named 'feature1' already exists

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git checkout feature1

Switched to branch 'feature1'

// checkout is used to switch between branches

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (feature1)

$ git status

On branch feature1

nothing to commit, working tree clean

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (feature1)

$ git status

On branch feature1

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: first.c

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

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (feature1)

$ git add –A

// adding to staging area

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (feature1)

$ git commit -m"fixed something"

[feature1 8fe84c0] fixed something

1 file changed, 1 deletion(-)

// commiting the document

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (feature1)

$ git checkout master

Switched to branch 'master'

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git status

On branch master

nothing to commit, working tree clean

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git checkout feature1

Switched to branch 'feature1'

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (feature1)

$ git checkout master

Switched to branch 'master'

hp@DESKTOP-66IKP1U MINGW64 ~/Desktop/LU/Git hub (master)

$ git merge feature1

// merge is used to meerge the branch with other branch

Updating f25466c..8fe84c0

Fast-forward

first.c | 1 -

1 file changed, 1 deletion(-)