

28 Oct 2024
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c:/ cd repo
>cd demo
>Mkdir demo
>Cd demo
>Touch t1.txt
>Ll
>git add t1.txt 
It will push the reference to .git folder
Git commit is used to save it temporarily in local repository
>Git commit -m "Type anything"
If commit is not done we might lose the changes made. With commit every line of command is in local directory
>Git config --global user. Email "<email Id>"
>Git config user.name "<User name>"
This is used so that we don’t have to give username every time.
>Git pull origin main (If the code is not in the repository and push gets rejected.)
>Git push origin main
Pushing to original branch in the sub branch. When using this command it will push the file into git hub account.
c:/CGBatch name> ls -la
Process of pushing the codes into local repository in git.


**Make Utility**

* It is used to compile, build, execute and clean.
* Directory structure :

>>Mkdir bin obj src inc scripts libs

>>mv lib lib

>>ll

>>tree

>>gcc -c -I./inc ./src/calc.c -o ./obj/calc.o (To compile)

* "." Is current directory and ".." is parent directory.
* To access all the files we use "./".
* >>gcc -c -I../inc ./src/calc.c -o ./obj/calc.o (To compile the parent directory)

>>cd ..

>>ll

>>gcc -o app ./obj/calc.o ./obj/main.o (To compile main file)

>>ll

>>mv app bin

>>./bin/app (To execute bin)

>>vi ./src/main.c (To modify src code)

>> cd ..

* Even if the src code is modified we cannot execute it without the updation of src code.

>>gcc -c -I .inc/ ./src/main.c -o ./obj/main.o

>>gcc -o ./bin/app01 ./obj/calc.o ./obj/main.o (To update).

**Warning :** implicit declaration of function "null" (used the interface name but have not declared the interface).

(With standard ncc declaration it can be done).

Declaration :

>>vi ./inc/calc.h

>>cat ./inc/calc.h

>>gcc -o ./bin/app012./obj/calc.o ./obj/main.o (To update/prototype).

* As the source is modified, we can't compile and update every time we change so to overcome that we use make utility as it compiles right away.

>>rm ./bin/\* (To delete/cleaning).

>>rm ./obj/\*

>>vi ./scripts/Makefile

* cp -rf <src\_name> <dest\_folder> [To copy one repository from another]

Difference blw them:

1. Url is present by default. Connectent will be pulled evenly.
2. Url has to be created, so we add remote.,we need to do git pull..