Chetali Hariramani B.Tech, Information Technology 2026

Git Bash Terminal =>

Git - Distributed version control software meant for saving changes made to a code file.

Each user has a copy of the code.

Git Bash - Terminal which works as Unix in Windows.

- Windows' file system works as Linux file system

```
Sit config --global user.name Chetali

Sit config --global user.name Chetali

Sit config --global user.name Chetali

Sit config --global user.email chetalihariramani@gmail.com

CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort

Sit config --global user.name
CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort

Sit config --global user.mame
CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort

Sit config --global user.email

CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort

Sit config --global user.email

CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort

Sit init

Initialized empty Git repository in C:/Users/KIIT/Desktop/GitoneShort/.git/

Sit init

Initialized empty Git repository in C:/Users/KIIT/Desktop/GitoneShort/.git/

Sit init

Initialized empty Git repository in C:/Users/KIIT/Desktop/GitoneShort/.git/

Sit init

Initialized Hingm64 -/Desktop/GitoneShort (master)

Sib -lart

COLA 22

Sidwar-xr-x 1 KIIT 197121 0 May 11 10:46 ./

Sidwar-xr-x 1 KIIT 197121 0 May 11 10:46 .git/

Sidwar-xr-x 1 KIIT 197121 0 May 11 10:46 .git/

CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort (master)

Sigit add diddex.ntml

CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort (master)

Sigit add index.ntml

CITUBAT-2206018 MINGM64 -/Desktop/GitoneShort (master)

Sigit status

Dibranch master
```

code . => Opens VSCode

git init => Initializes local git repository

git status => Gives the details of all the changes made in the repository after the previous Git commit. git add <file name> => Adds file to the stage. The file is now being tracked by the Git Bash platform.

```
### STANDARY OF THE PROPERTY O
```

git commit -m " <message> " => this commits the current state of repository to the Git platform with a message briefly describing the changes made.

```
(use "git restore efiles..." to discard changes in working directory)
modification index.html

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

***ITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
5 git chackout -f
5 git status
on branch master, working tree clean

***ITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
5 git log
commit **Subb00739984991a012b344297620eef497391d5 (HEAD -> master)

Author: Chetali **chetalihariramani@gmail.com>
Date: Sat May il 11:022 0204 +0530

Added more HTMLs

***Commit b57s4ff513ablefs1acf3ch852f3f9849645df84af

Author: Chetali **chetalihariramani@gmail.com>
Date: Sat May il 10:58:43 2024 +0530

Initial Commit

***XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
5 git log -1
5 git log
```

git checkout -f => It discards any changes that haven't been committed. git log => It shows the details of all the previous commits. git log -n (n=1,2,3,..) => Shows n number of previous commits. git diff => Shows the changes made in files since previous commit.

```
to discard changes in working directory
o changes added to commit (use "git add" and/or "git commit -a")
 IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
git checkout -f
git status
n branch master
othing to commit, working tree clean
             2206018 MINGW64 ~/Desktop/GitOneShort (master)
git status
n branch master
hanges not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
no changes added to commit (use "git add" and/or "git commit -a")
 ITMBT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
git commit -a -m " Skipped staging area and included boiler plate"
naster 44935b3] Skipped staging area and included boiler plate
I file changed, 11 insertions(+)
           -2206018 MINGW64 ~/Desktop/GitOneShort (master)
 git status
on branch master
oothing to commit, working tree clean
           -2206018 MINGW64 ~/Desktop/GitOneShort (master)
III near-22000.8 mindser / 538 s git log
:ommit 44935b3ccaa196ea6210ae015dcd61d6d39300ea (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 11:30:56 2024 +0530
      Skipped staging area and included boiler plate
commit 82b9b0739984991a012b344297620eef497391d5
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 11:10:20 2024 +0530
    Added more HTMLs
 ommit b5f5df619a4b61a6cf3cb852f3f98496d5df84af
```

git commit -a -m " < message > " => commits all changes made in the repository in every file together with a message.

```
S git rm waste.html
rm 'waste.html'

KIIT@BT-2206018 MINGW64 -/Desktop/GitOneShort (master)
$ 1s
about.html contact.html index.html monuments.html

KIIT@BT-2206018 MINGW64 -/Desktop/GitOneShort (master)
$ oit status
On branch master
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
deleted: waste.html

KIIT@BT-2206018 MINGW64 -/Desktop/GitOneShort (master)
$ oit commit -a -m "Removing waste"

[master 16259de] Removing waste
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 waste.html

KIIT@BT-2206018 MINGW64 -/Desktop/GitOneShort (master)
$ git status
On branch master
nothing to commit, working tree clean

KIIT@BT-2206018 MINGW64 -/Desktop/GitOneShort (master)
$ git status
On branch master
nothing to commit, working tree clean

KIIT@BT-2206018 MINGW64 -/Desktop/GitOneShort (master)
$ git log
commit 16259dede46c96e5925ee6cfc8cbb8a03f300c68 (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 12:10:30 2024 +0530

Removing waste

Commit 16259dede46c96e5925ee6cfc8cbb8a03f300c68 (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 12:10:30 2024 +0530

Removing waste

. Removing waste

Commit 16259dede46c96e5925ee6cfc8cbb8a03f300c68 (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 12:10:30 2024 +0530

Removing waste

Commit 16259dede46c96e5925ee6cfc8cbb8a03f300c68 (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 12:10:30 2024 +0530

Removing waste

Commit 16259dede46c96e5925ee6cfc8cbb8a03f300c68 (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 12:10:30 2024 +0530

Removing waste

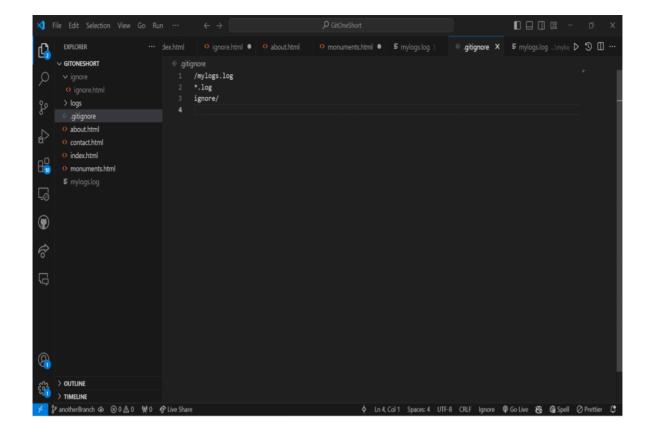
Commit 16259dede5c96e5925ee6cfc8cbb8a03f300c68 (HEAD -> master)
Author: Chetali <chetalihariramani@gmail.com>
Date: Sat May 11 12:10:30 2024 +0530

Removing waste
```

git rm waste.html => Deletes the file waste.html
Is => Gives the lists of all the folders/files present in the repository.
** Deletions have to be committed as well.

We have modified the file monuments.html. git status -s => Provides a short and concise summary of current git repository. touch <filename> => Creates new files (.gitignore, mylogs.log).

.gitignore => Any files included in the .gitignore file of a repository would be ignored by the Git bash terminal. Thus, any changes made to these files would be overlooked as well.



/mylogs.log => The file mylogs.log would be ignored.
*.log => Any file with .log extension would be ignored.
ignore/ => The folder ignore would be overlooked by the terminal.

.gitignore has been modified, added and committed.

```
igit status
in branch master
oothing to commit, working tree clean
IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
  git branch feature1
IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
 git branch
feature1
IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
git checkout feature1
witched to branch 'feature1'
     @BT-2206018 MINGW64 ~/Desktop/GitOneShort (feature1)
 git branch
 master
          -2206018 MINGW64 ~/Desktop/GitOneShort (feature1)
 git status
git status
n branch feature1
hanges not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
no changes added to commit (use "git add" and/or "git commit -a")
XIIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (feature1)
5 git commit -a -m " Added Comments"
[feature1 db44687] Added Comments
1 file changed, 1 insertion(+), 1 deletion(-)
IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (feature1)
 git status
 n branch featurel
othing to commit, working tree clean
```

git branch => To check the number of branches present and figure out which branch are we currently present in.

git branch

branch name> => To create a new branch.

git checkout <branch name> => To switch to another branch.

Commit the changes made in new branch.

```
XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (feature1)
5 git checkout branch
error: pathspec 'branch' did not match any file(s) known to git
XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (feature1)
5 git checkout master
Switched to branch 'master'

XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
5 git checkout master

XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
6 git checkout master

XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
6 git checkout checkout master

XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
5 git merge feature1
1 gidating 7262764. db44687
7 sat-forward
about.html | 2 --
1 file changed, 1 insertion(+), 1 deletion(-)
XITUBET-2206018 MINGW64 -/Desktop/GitOneShort (master)
5 git log -p-2
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a1520666542dde341eco662b7 (MEAD -> master, feature1)
Author: Chetali <chetalihariraman1@gmail.com>
6 commit db46878983616a15206666542dde341eco662b7 (MEAD -> master, feature1)
```

git merge <branch name> => To merge the changes made in new branch in the main branch as well.

git checkout -b <new branch name> => Creating as well as switching into a new branch simultaneously.

GitHub =>

Remote repository => Create a remote repository on your GitHub account.

GitHub is a hosting service for Git Repositories.

```
remote: Create a pull request for 'feature1' on GitHub by visiting:
remote: https://github.com/ChetaliH/GitOneShort/pull/new/feature1
remote:
remote:
[new branch]
(IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (feature1)
$ git checkout anotherBranch
Switched to branch 'anotherBranch'
(IIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (anotherBranch)
$ git push origin anotherBranch
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'anotherBranch' on GitHub by visiting:
remote: https://github.com/ChetaliH/GitOneShort/pull/new/anotherBranch
remote:
To https://github.com/ChetaliH/GitOneShort.git
                         anotherBranch -> anotherBranch
   [new branch]
```

git remote add origin < link > => It will save the link of remote repository in the variable origin.

git push origin master => It pushes the master branch in the public repository.

git push origin < branch name > => It pushes the mentioned branch in the public repository.

```
KIIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (anotherBranch)
$ git checkout master
Switched to branch 'master'

KIIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
$ git status
On branch master
nothing to commit, working tree clean

KIIT@BT-2206018 MINGW64 ~/Desktop/GitOneShort (master)
$ clear
```

clear => Clears the Git Bash terminal.