**Git commands**

**Configuration:**

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~

$ git --version

git version 2.41.0.windows.3

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~

$ git config --global user.name "Ashmitha"

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~

$ git config --global user.email "ashmithasumaraj11@gmail.com"

**Creating repository:**

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~

$ mkdir git

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~

$ cd git

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git

$ git init

Initialized empty Git repository in C:/Users/Radha Krishna/git/.git/

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ cat>repo

hi

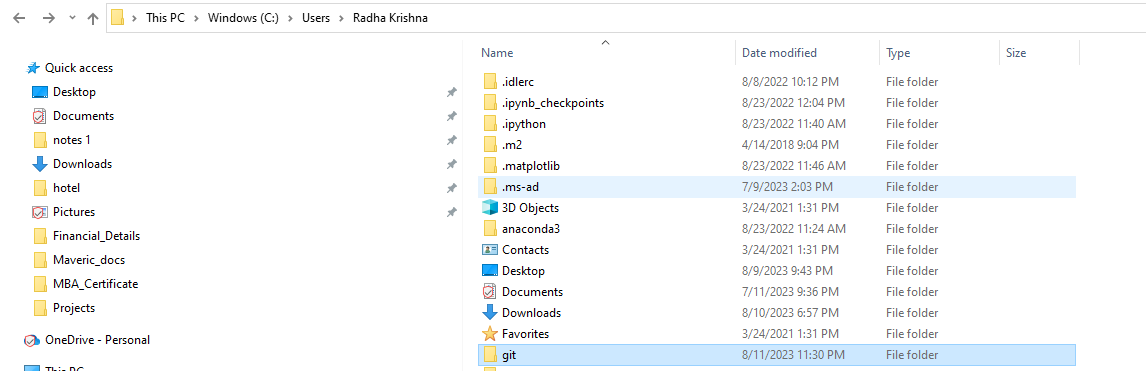
this is my sample repo

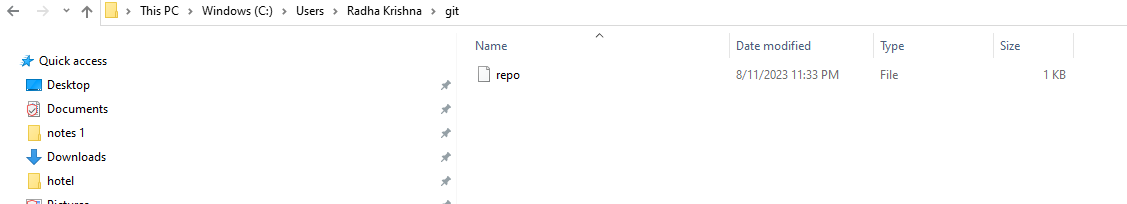
Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ cat repo

hi

this is my sample repo





**Staging and Commiting:**

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git status

On branch main

No commits yet

Untracked files:

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

repo

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

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git add repo

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

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git status

On branch main

No commits yet

Changes to be committed:

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

new file: repo

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git commit -m "Sample Repository"

[main (root-commit) 1397310] Sample Repository

1 file changed, 2 insertions(+)

create mode 100644 repo

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git commit -a -m "Updated"

On branch main

nothing to commit, working tree clean

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ cat repo

hi

this is my sample repo

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git commit -a -m "Updated"

On branch main

nothing to commit, working tree clean

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git status

On branch main

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: repo

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

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git add repo

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

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git status

On branch main

Changes to be committed:

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

modified: repo

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git commit -a -m "Updated"

[main 402658c] Updated

1 file changed, 1 insertion(+)

**Checking the history of file:**

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git commit -a -m "Updated"

[main 402658c] Updated

1 file changed, 1 insertion(+)

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git log

commit 402658cd85118da6df0a47cd565dd97551e4758f (HEAD -> main)

Author: Ashmitha <ashmithasumaraj11@gmail.com>

Date: Fri Aug 11 23:34:03 2023 +0530

Updated

commit 13973104984bcf6532d0486a77dfd1070746cc59

Author: Ashmitha <ashmithasumaraj11@gmail.com>

Date: Fri Aug 11 23:32:16 2023 +0530

Sample Repository

**Branching and merging the file with git hub:**

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git remote add origin https://github.com/ammu123hea/be.git

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git branch -M main

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (main)

$ git branch -M tree

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (tree)

$ git remote add origin https://github.com/ammu123hea/be.git

error: remote origin already exists.

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (tree)

$ git remote add origin https://github.com/ammu123hea/samplerepo.git

error: remote origin already exists.

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (tree)

$ git push -u origin main

error: src refspec main does not match any

error: failed to push some refs to 'https://github.com/ammu123hea/be.git'

Radha Krishna@LAPTOP-A8SP97KB MINGW64 ~/git (tree)

$ git push -u origin tree

info: please complete authentication in your browser...

Enumerating objects: 6, done.

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

Delta compression using up to 4 threads

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

Writing objects: 100% (6/6), 489 bytes | 40.00 KiB/s, done.

Total 6 (delta 0), reused 0 (delta 0), pack-reused 0

remote:

remote: Create a pull request for 'tree' on GitHub by visiting:

remote: https://github.com/ammu123hea/be/pull/new/tree

remote:

To https://github.com/ammu123hea/be.git

\* [new branch] tree -> tree

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

