If we want to check the configuration of the git hub, we can use the given below command.

git config --list

user.email=wright2khaliq@gmail.com
user.name=wright2khaliq

If in case you have not configured please configure it by using the given below command

git config --global user.name "wright2khaliq"
Git config –global user.email wright2khaliq@gmaail.com

GIT INIT COMMAND

- **`git init`: Initializes a new Git repository in a directory.**

"git init" is a command used to initialize a new Git repository. It creates a new subdirectory with the name of the repository and initializes the necessary files and directories for Git to start managing your project.

GIT COMMIT COMMAND

The "git commit" command is used to record changes made to the files in the Git repository. It creates a new commit object with a unique ID, and stores the changes made in the repository's history.

The "git commit" command is a crucial part of Git's version control system, as it allows you to keep track of the changes made to your files and collaborate with other developers.

GIT ADD COMMAND

The git add command is used add changes in the current directory to the staging area

Git add . Used with the full stop it add all the file to staging area

GIT STATUS COMMAND

The "git status" command is used to show the current state of the Git repository. It provides information about the current branch, which files have been modified, which files are staged for commit, and which files are untracked.

GIT MERGE COMMAND

The "git merge" command is used to integrate changes from one branch into another branch. When you run the "git merge" command, Git takes the changes made in one branch (called the "source" branch) and applies them to another branch (called the "destination" branch).

Git pulll command

mkdir git-demo

➜ ~ cd git-demo

➜ git-demo pwd
/home/mohammed/git-demo

➜ git-demo mkdir first-repo

➜ git-demo cd first-repo

➜ first-repo pwd
/home/mohammed/git-demo/first-repo

➜ first-repo git init
Initialized empty Git repository in /home/mohammed/git-demo/first-repo/.git/

➜ first-repo git:(master) touch khaliq

➜ first-repo git:(master) ✗ vi khaliq

➜ first-repo git:(master) ✗ git status
On branch master

No commits yet

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

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

➜ first-repo git:(master) ✗ git add .

➜ first-repo git:(master) ✗ git status
On branch master

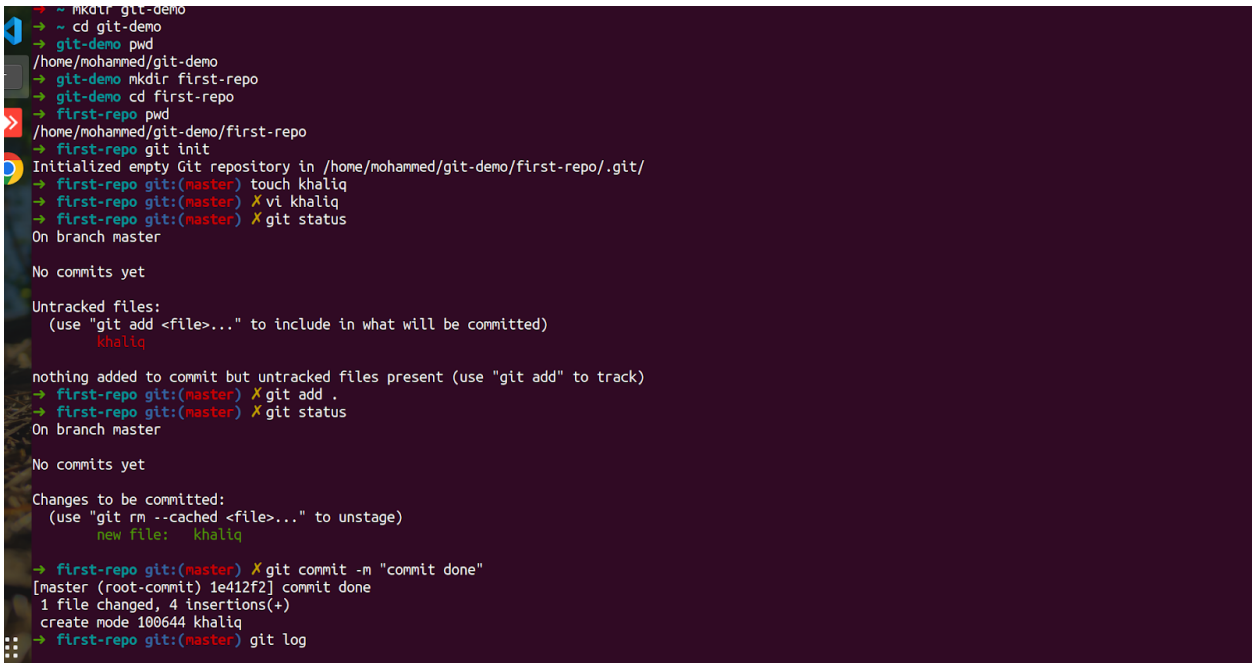
No commits yet

```
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   khaliq


➜  first-repo git:(master) ✗ git commit -m "commit done"
[master (root-commit) 1e412f2] commit done
 1 file changed, 4 insertions(+)
 create mode 100644 khaliq

➜  first-repo git:(master) git log

[3]  + 5543 suspended  git log

➜  first-repo git:(master) touch abdul

➜  first-repo git:(master) ✗ vi abdul

➜  first-repo git:(master) ✗ vi khaliq

➜  first-repo git:(master) ✗ git status
On branch master
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:   khaliq

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

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

➜  first-repo git:(master) ✗ git add .

➜  first-repo git:(master) ✗ git commit -m "commit2done"
[master b490342] commit2done
 2 files changed, 6 insertions(+)
 create mode 100644 abdul

➜  first-repo git:(master) git remote add origin
https://github.com/wright2khaliq/sai-pawandemo.git
```

➜ first-repo git:(master) git remote -v
origin https://github.com/wright2khaliq/sai-pawandemo.git (fetch)
origin https://github.com/wright2khaliq/sai-pawandemo.git (push)

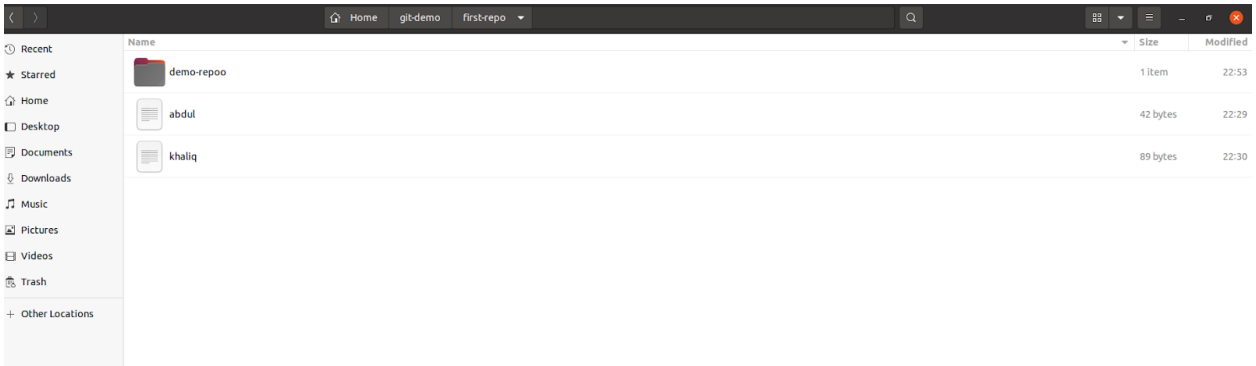
➜ first-repo git:(master) git push -u origin master
Username for 'https://github.com': wright2khaliq
Password for 'https://wright2khaliq@github.com':
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (7/7), 587 bytes | 587.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote: https://github.com/wright2khaliq/sai-pawandemo/pull/new/master
remote:
To https://github.com/wright2khaliq/sai-pawandemo.git
* [new branch] master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

➜ first-repo git:(master)



```
→ first-repo git:(master) git log

[3]  + 5543 suspended  git log
→ first-repo git:(master) touch abdul
→ first-repo git:(master) ✗ vi abdul
→ first-repo git:(master) ✗ vi khaliq
→ first-repo git:(master) ✗ git status
On branch master
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:   khaliq

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

no changes added to commit (use "git add" and/or "git commit -a")
→ first-repo git:(master) ✗ git add .
→ first-repo git:(master) ✗ git commit -m "commit2done"
[master b490342] commit2done
 2 files changed, 6 insertions(+)
 create mode 100644 abdul
→ first-repo git:(master) git remote add origin https://github.com/wright2khaliq/sai-pawandemo.git
→ first-repo git:(master) git remote -v
origin  https://github.com/wright2khaliq/sai-pawandemo.git (fetch)
origin  https://github.com/wright2khaliq/sai-pawandemo.git (push)
→ first-repo git:(master) git push -u origin master
Username for 'https://github.com': wright2khaliq
Password for 'https://wright2khaliq@github.com':
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (7/7), 587 bytes | 587.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/wright2khaliq/sai-pawandemo/pull/new/master
```

Now we will create folder manually, the same way mannaualy we will move it – home –git-demo-first -repo and will add the folder and will add it and commit it and push it



➜ first-repo git:(master) ✗ git add .
➜ first-repo git:(master) ✗ git commit -m "addfolder"
[master 142e0ef] addfolder
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 demo-repoo/jenkins.pdf

➜ first-repo git:(master) git push -u origin master

Username for 'https://github.com': wright2khaliq
Password for 'https://wright2khaliq@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 1.39 MiB | 1.86 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)

```
To https://github.com/wright2khaliq/sai-pawandemo.git
   b490342..142e0ef  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

Git Push Command