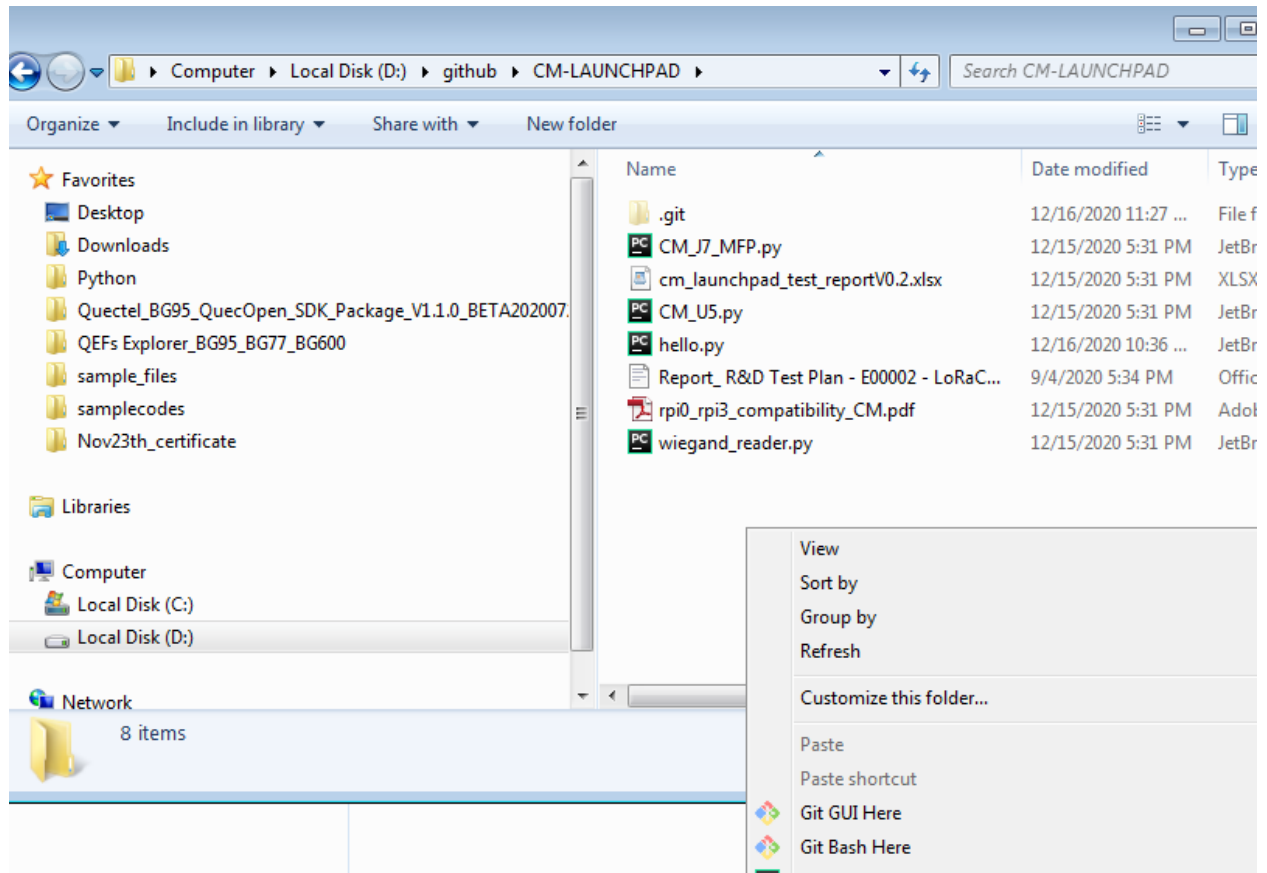


GITHUB NOTES

1.) git bash in the repository



2.) Cloning the repositories into local machine

Eg : `sudo git clone https://github.com/SACHET2612/CM-LAUNCHPAD`

3.) git status

```
admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

4.) suppose we added any file which is not present in the repository

Eg: add basic.py

```
admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    hello.py

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

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

git add basic.py

git commit -m 'added basic.py'

Git push

5.) If you modify basic.py file and want to update the file again do

Git add basic.py

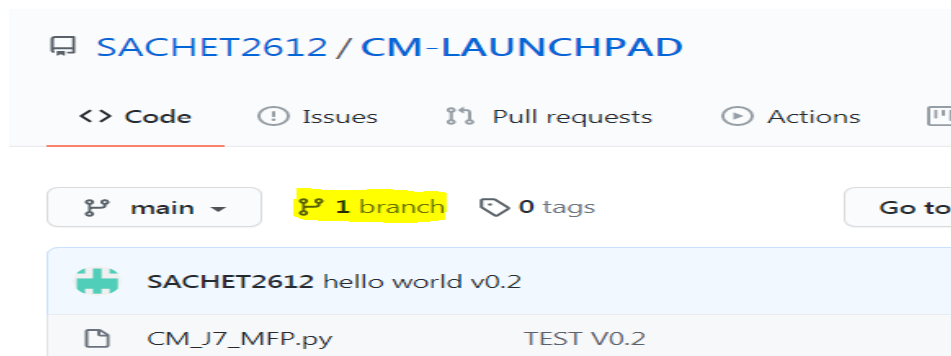
Git commit -m 'modified file'

Git push

To create a branch and merge in master/main branch

Step 1: Create new branch

Git branch 'branchname'



Above image is still showing 1 branch because we didn't add anything yet.

Step 2: to jump into new branch

Git checkout NewBranchName

After step2 our local will be on new branch ,whatever changes we made will reflect on new branch not on main branch.

Step 3: Let 's added a file into new branch

touch newfile.txt

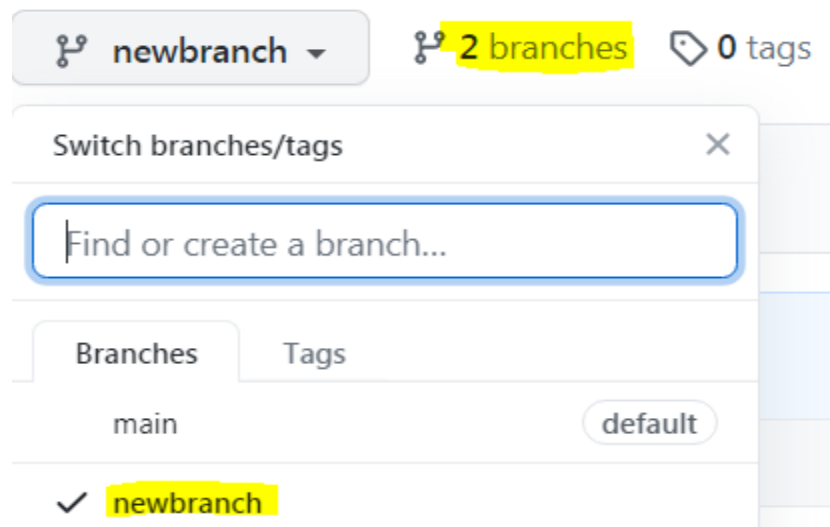
Git status

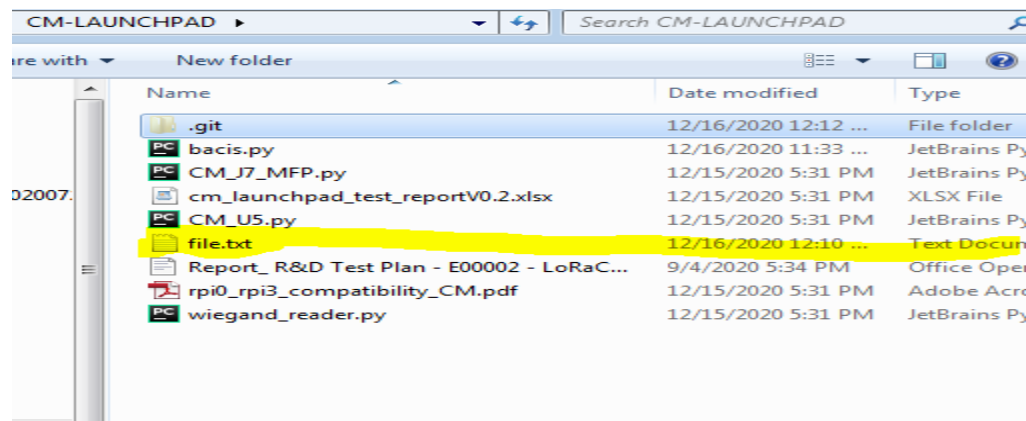
Git add .

Git commit -m 'added newfile'

Git push -u origin NewBranchName

After this step branch 2 will be visible.

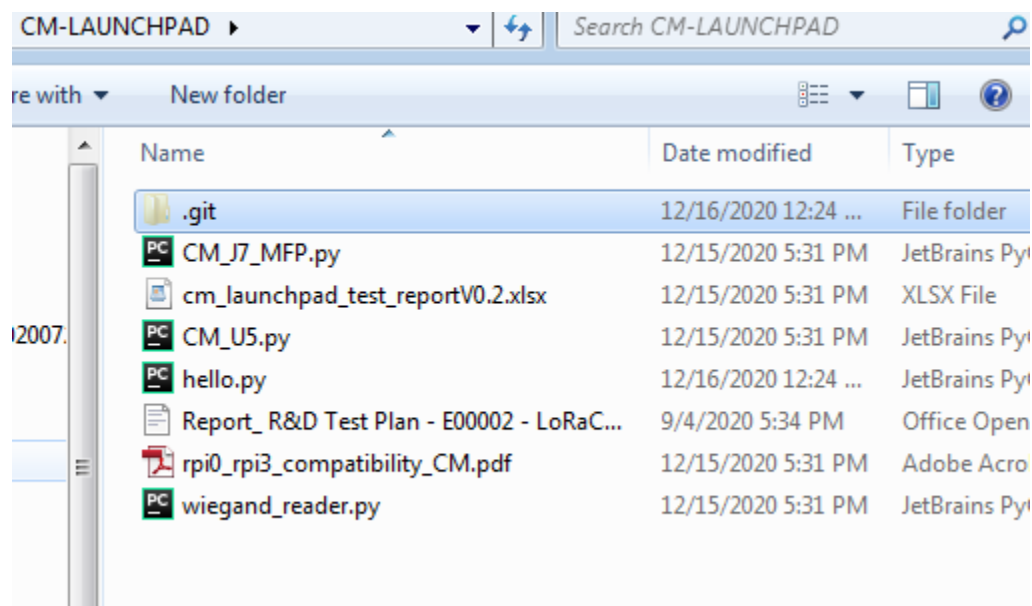




Above image is of new branch. If we checkout master branch file.txt won't be present in master branch because master and new branch is not merged yet.

git checkout main

```
admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (newbranch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```



Above image is of master branch, in this file.txt is not present.

Step 4: Merge new branch to master branch

1st checkout main branch (**git checkout main**)

2nd **git merge NewBranchName**

3rd **git push -u origin main**

After this step both master branch and new branch will be equivalent.


```
admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (newbranch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (main)
$ git merge newbranch
Updating 6298c4f..48b2815
Fast-forward
 hello.py => baxis.py | 0
  file.txt           | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
 rename hello.py => baxis.py (100%)
 create mode 100644 file.txt

admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (main)
$ git push -u main
fatal: 'main' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

admin@admin-PC MINGW64 /d/github/CM-LAUNCHPAD (main)
$ git push -u origin main
Logon failed, use ctrl+c to cancel basic credential prompt.
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/SACHET2612/CM-LAUNCHPAD
 6298c4f..48b2815  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

 newbranch ▾

 2 branches  0 tags

This branch is even with main.

To delete a branch

Git branch -d "branch name"

Git push origin --delete "branch name"