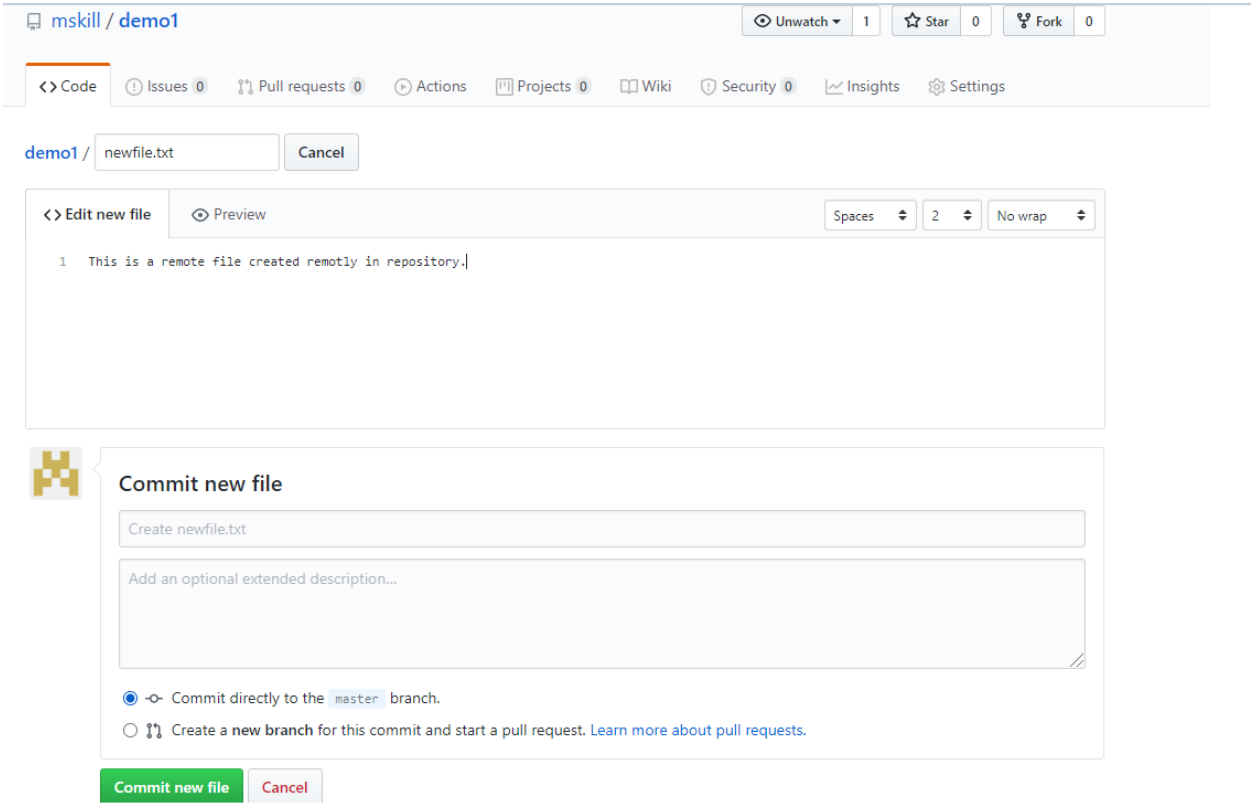
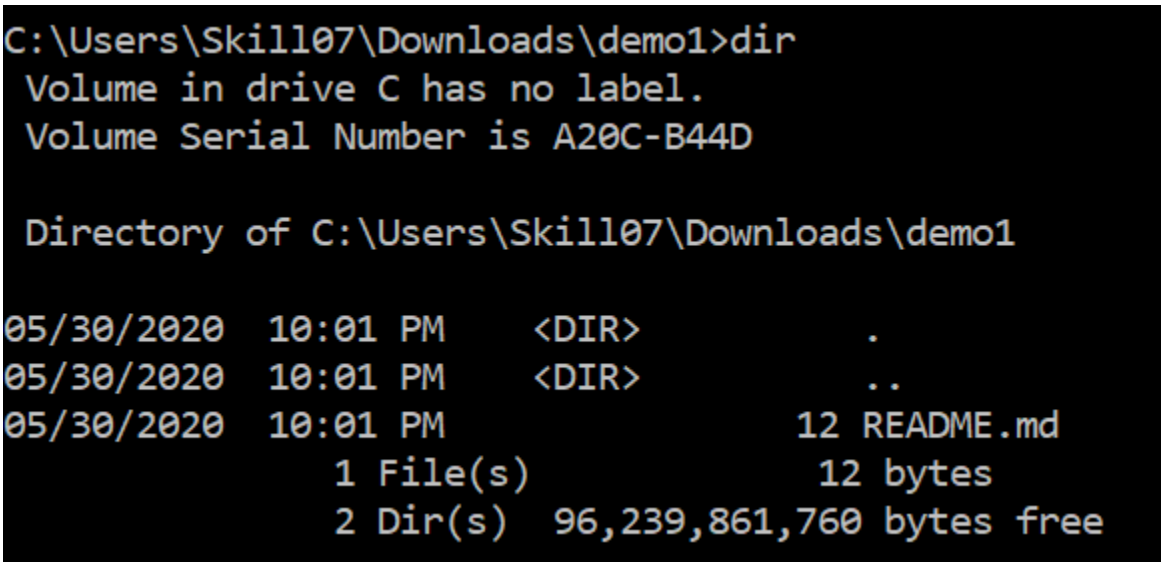
GITHUB – PART 2

Creating a file in Remote repository

Provide the file name and add a description to that file. To commit the changes in the repository, click 'Commit New File'



Adding a file remotely will not be there in the local directory. Check the files using `dir`



As per the screenshot above, there is 1 file in the repository.

To pull the file that is added in remote repository to local repository, we use PULL command

`git pull`

```
C:\Users\Skill07\Downloads\demo1>git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
Unpacking objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
From github.com:mskill/demo1
   a74d8ad..90475cb  master     -> origin/master
Updating a74d8ad..90475cb
Fast-forward
 newfile.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 newfile.txt
```

After pull, if I check the local repository using `dir`, there are 2 files as shown:

```
C:\Users\Skill07\Downloads\demo1>dir
 Volume in drive C has no label.
 Volume Serial Number is A20C-B44D

 Directory of C:\Users\Skill07\Downloads\demo1

05/30/2020  10:46 PM    <DIR>          .
05/30/2020  10:46 PM    <DIR>          ..
05/30/2020  10:46 PM                54 newfile.txt
05/30/2020  10:01 PM                12 README.md
               2 File(s)             66 bytes
               2 Dir(s)  96,242,581,504 bytes free
```

To add a branch in master branch

`git branch branchname`

Switch the branch

`git checkout branchname`

```
C:\Users\Skill07\Downloads\demo1>git branch mybranch

C:\Users\Skill07\Downloads\demo1>git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

C:\Users\Skill07\Downloads\demo1>git checkout mybranch
Switched to branch 'mybranch'

C:\Users\Skill07\Downloads\demo1>git status
On branch mybranch
nothing to commit, working tree clean
```

Adding a file in branch

`echo "#content">> filename.txt`

Then add the file and push the file. To create the branch remotely we have to use

`git push --set-upstream origin branchname`

```
C:\Users\Skill07\Downloads\demo1>echo "#stuff on branch">> stuffonbranch.txt

C:\Users\Skill07\Downloads\demo1>git add stuffonbranch.txt

C:\Users\Skill07\Downloads\demo1>git commit -m "add to the branch"
[mybranch 70fede8] add to the branch
 1 file changed, 1 insertion(+)
 create mode 100644 stuffonbranch.txt

C:\Users\Skill07\Downloads\demo1>git push
fatal: The current branch mybranch has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin mybranch


C:\Users\Skill07\Downloads\demo1>git push --set-upstream origin mybranch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 332 bytes | 110.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'mybranch' on GitHub by visiting:
remote:      https://github.com/mskill/demo1/pull/new/mybranch
remote:
To github.com:mskill/demo1.git
 * [new branch]      mybranch -> mybranch
Branch 'mybranch' set up to track remote branch 'mybranch' from 'origin'.

C:\Users\Skill07\Downloads\demo1>git push
Everything up-to-date
```

Switch the branch again to the master using

`git checkout master`

Merge command to merge the branches

`git merge mybranch`

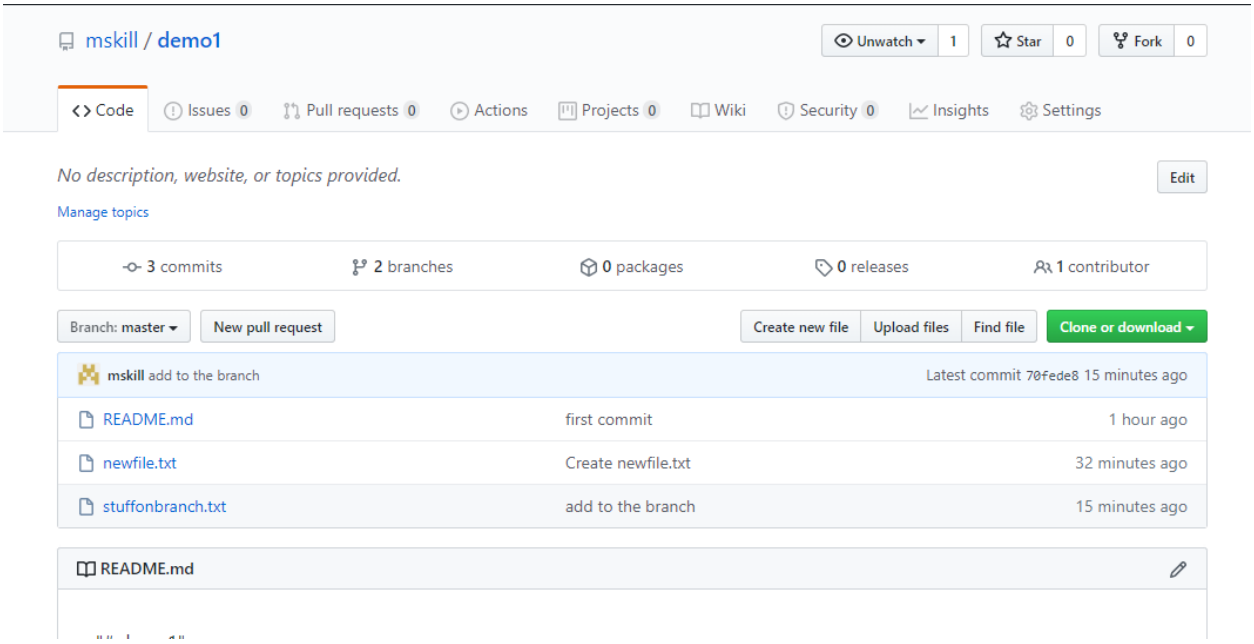
As the merge command is used the new create branch will be merged to the master branch and the file will be inserted to it. Previously, we have 2 file in the master, now there are 3 files. Make sure to push the files using git push

```
C:\Users\Skill07\Downloads\demo1>git merge mybranch
Updating 90475cb..70fede8
Fast-forward
 stuffonbranch.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 stuffonbranch.txt

C:\Users\Skill07\Downloads\demo1>dir
 Volume in drive C has no label.
 Volume Serial Number is A20C-B44D

 Directory of C:\Users\Skill07\Downloads\demo1

05/30/2020  11:13 PM    <DIR>          .
05/30/2020  11:13 PM    <DIR>          ..
05/30/2020  10:46 PM                54 newfile.txt
05/30/2020  10:01 PM                12 README.md
05/30/2020  11:13 PM                20 stuffonbranch.txt
               3 File(s)             86 bytes
               2 Dir(s)  96,234,496,000 bytes free

C:\Users\Skill07\Downloads\demo1>git push
Total 0 (delta 0), reused 0 (delta 0)
To github.com:mskill/demo1.git
   90475cb..70fede8  master -> master
```

Now, the file which is in the branch, is now in the master branch