# Git and GITHub Assignment

# Create local repository (SC):

pwd:

```
MINGW64:/c/Shoby/Gc-SDE/GIT_assignment_Repo
                                                                                        \times
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo
$ pwd
/c/Shoby/Gc-SDE/GIT_assignment_Repo
git init and ls -la
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo
Initialized empty Git repository in C:/Shoby/Gc-SDE/GIT_assignment_Repo/.git/
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /<mark>c/Shoby/Gc-SDE/GIT_assignment_Repo (master)</mark>
total 333
drwxr-xr-x 1 ShobyMaher 197121
                                           0 Nov 11 09:59 ./
                                           0 Nov 11 09:45 ../
drwxr-xr-x 1 ShobyMaher 197121
drwxr-xr-x 1 ShobyMaher 197121
                                           0 Nov 11 09:59 .git/
-rw-r--r-- 1 ShobyMaher 197121 325450 Nov 11 09:47 Git_assignment_info.pdf
                                          21 Nov 11 09:45 Test1.txt
 rw-r--r-- 1 ShobyMaher 197121
Adding files to the local repository:
git add <file_name>
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ git add Test1.txt
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ git add Git_assignment_info.pdf
git status
ShobyMaher@DESKTOP-CGSOR7T MINGW64 <mark>/c/Shoby/Gc-SDE/GIT_assignment_Repo (master)</mark>
 git status
On branch master
No commits yet
Changes to be committed:
   (use "git rm --cached <file>..." to unstage)
   new file: Git_assignment_info.pdf
   new file: Test1.txt
git commit -m "Initial commit for git assignment"
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master) $ git commit -m "Initial commit for git assignment" [master (root-commit) 3ce19b9] Initial commit for git assignment
 2 files changed, 1 insertion(+)
create mode 100644 Git_assignment_info.pdf
create mode 100644 Test1.txt
```

# Create another branch and add a file to that branch (SC)

```
git checkout -b new_branch
```

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

$ git checkout -b new_branch
Switched to a new branch 'new_branch'

ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (new_branch)
```

git add new\_branch\_file.txt

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (new_branch)

$ git add new_branch_file.txt
```

git commit -m "new branch test file"

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (new_branch)

$ git commit -m "new branch test file"
[new_branch f996325] new branch test file

1 file changed, 1 insertion(+)
create mode 100644 new_branch_file.txt
```

#### Merge the contains of that branch into master/main branch (SC)

git merge new\_branch

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

$ git merge new_branch
Updating 3ce19b9..f996325

Fast-forward
new_branch_file.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 new_branch_file.txt
```

# Working with the GITHub:

copy (push) contents of local repository to empty repository on GitHub (SC):

#git remote add GIT\_assignment\_Repo git@github.com:ShobyG/GitHub\_assignment.git
#git push GIT\_assignment\_Repo master

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ git push GIT_assignment_Repo master
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (7/7), 283.25 KiB | 9.44 MiB/s, done.
Total 7 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To github.com:ShobyG/GitHub_assignment.git
* [new branch] master -> master
```

# Contents successfully pushed to GITHub repo:

ShobyG new branch test file		f996325 21 minutes ago 🖔 2 commits
Git_assignment_info.pdf	Initial commit for git assignment	40 minutes ago
Test1.txt	Initial commit for git assignment	40 minutes ago
new_branch_file.txt	new branch test file	21 minutes ago

# Add a file to the repo on GitHub then pull that file to your local machine:

# Created a new file in the remote repo:

ShobyG Create test_pull.txt		151646d 11 minutes ago 🐧 3 commits
Git_assignment_info.pdf	Initial commit for git assignment	1 hour ago
☐ Test1.txt	Initial commit for git assignment	1 hour ago
new_branch_file.txt	new branch test file	34 minutes ago
test_pull.txt	Create test_pull.txt	11 minutes ago

# Pulling the new file to the local repository:

```
git branch -r
git fetch GIT_assignment_Repo
git merge GIT_assignment_Repo/master master
```

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

§ git branch -r
GIT_assignment_Repo/master

ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

§ git fetch GIT_assignment_Repo
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 675 bytes | 39.00 KiB/s, done.
From github.com:ShobyG/GitHub_assignment
f996325..151646d master -> GIT_assignment_Repo/master

ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

§ git merge GIT_assignment_Repo/master master
Updating f996325..151646d
Fast-forward
test_pull.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 test_pull.txt
```

#### New file added to the local repo:

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ ls
GitHub_assignment/ Git_assignment_info.pdf Test1.txt new_branch_file.txt test_pull.txt
```

#### Add another file to your local repo and push that to GitHub

```
git add Second_test_file.docx
git commit -m "second_test_file"
```

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ git add Second_test_file.docx

ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ git commit -m "second_test_file"
[master f9cf755] second_test_file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Second_test_file.docx

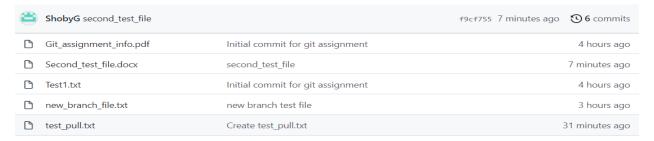
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)
$ git status
On branch master
nothing to commit, working tree clean
```

# git push GitHub\_assignment master

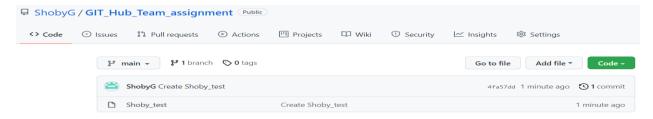
```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

§ git push GitHub_assignment master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 9.32 KiB | 9.32 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:ShobyG/GitHub_assignment.git
    e4d8ad1..f9cf755 master -> master
```

#### Second file added to the remote repo:



# Create another repo on GitHub and clone it to your machine (SC):



# Cloning it to the local repo:

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/GIT_assignment_Repo (master)

$ git clone git@github.com:ShobyG/GIT_Hub_Team_assignment.git
Cloning into 'GIT_Hub_Team_assignment'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

#### New repo is cloned to the master branch:

GIT_Hub_Team_assignment	11/11/2021 7:01 PM	File folder	
Git_assignment_info	11/11/2021 9:47 AM	Microsoft Edge PD	318 KB
new_branch_file	11/11/2021 11:02 AM	Text Document	1 KB
Second_test_file	11/11/2021 1:52 PM	Microsoft Word D	12 KB
test_pull	11/11/2021 1:40 PM	Text Document	1 KB
Test1	11/11/2021 9:45 AM	Text Document	1 KB

#### Team push and pull:

Adding team repo to local:

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/TCSS_502_oops/Team_repo

$ git init
Initialized empty Git repository in C:/Shoby/Gc-SDE/TCSS_502_oops/Team_repo/.git
/
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/TCSS_502_oops/Team_repo (mast
er)
$ git remote add team_repo git@github.com:takhat1/tcss502_GitHub_and_Git_Assignment.git
```

git pull team\_repo main

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/TCSS_502_oops/Team_repo (master)
$ git pull team_repo main
From github.com:takhat1/tcss502_GitHub_and_Git_Assignment
* branch main -> FETCH_HEAD

ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/TCSS_502_oops/Team_repo (master)
$ ls
README.md
```

#### Adding a new file to the team repo:

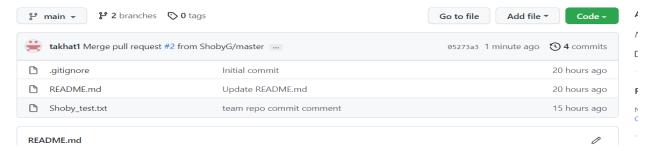
```
git add Shoby_test.txt
git commit -m "team repo commit comment"
git push team_repo master
```

```
ShobyMaher@DESKTOP-CGSOR7T MINGW64 /c/Shoby/Gc-SDE/TCSS_502_oops/Team_repo (master)
$ git push team_repo master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 342 bytes | 171.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote: https://github.com/takhat1/tcss502_GitHub_and_Git_Assignment/pull/new/master
remote:
To github.com:takhat1/tcss502_GitHub_and_Git_Assignment.git
* [new branch] master -> master
```

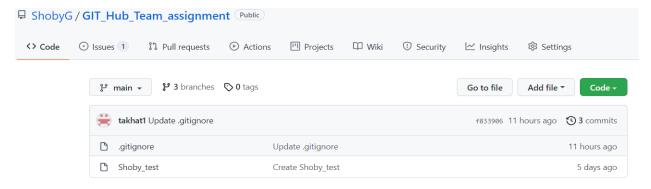
# New file successfully added to the team repo:



# Merged it to the main branch:



#### Team mates working on the team repo:



# Push #1

**⊙ Open joshden20** opened this issue 1 hour ago · 0 comments

