

Assignment 5

Name - Md.Firoze Baba

1: Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

Ans-

Initialize new git repository:

Step1 - \$ git init

Adding remote repository master as Origin

Step2 - \$ git remote add origin url""

Add command:

Step3 - \$ git add .

To check the status:

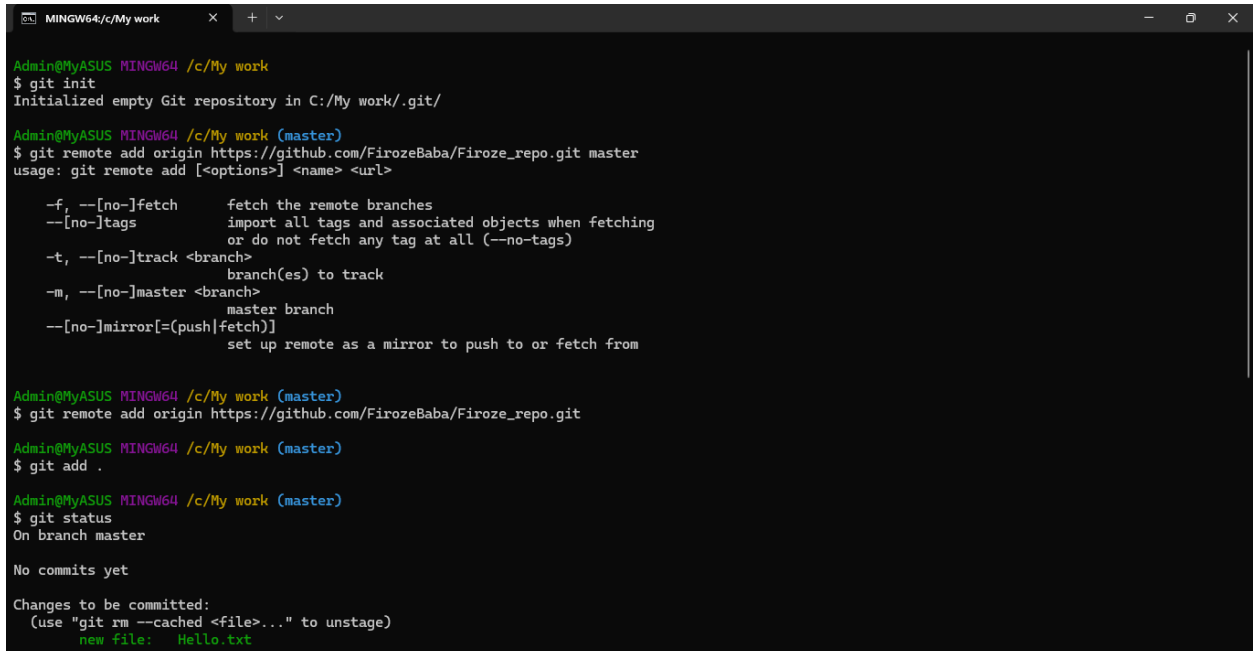
Step4 - \$ git status

To commit:

Step5 - \$ git commit -m ""

To push:

Step6 - \$ git push origin master



```
Admin@MyASUS MINGW64 /c/My work
$ git init
Initialized empty Git repository in C:/My work/.git/

Admin@MyASUS MINGW64 /c/My work (master)
$ git remote add origin https://github.com/FirozeBaba/Firoze_repo.git master
usage: git remote add [<options>] <name> <url>

    -f, --[no-]fetch          fetch the remote branches
    --[no-]tags              import all tags and associated objects when fetching
                           or do not fetch any tag at all (--no-tags)
    -t, --[no-]track <branch> branch(es) to track
    -m, --[no-]master <branch> master branch
    --[no-]mirror[=(push|fetch)] set up remote as a mirror to push to or fetch from

Admin@MyASUS MINGW64 /c/My work (master)
$ git remote add origin https://github.com/FirozeBaba/Firoze_repo.git

Admin@MyASUS MINGW64 /c/My work (master)
$ git add .

Admin@MyASUS MINGW64 /c/My work (master)
$ git status
On branch master

No commits yet

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

```
MINGW64/c/My work
$ git add .

Admin@MyASUS MINGW64 /c/My work (master)
$ git status
On branch master

No commits yet

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

Admin@MyASUS MINGW64 /c/My work (master)
$ git commit -m "Add Hello file"
[master (root-commit) 59d8dda] Add Hello file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Hello.txt

Admin@MyASUS MINGW64 /c/My work (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 216 bytes | 216.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/FirozeBaba/Firoze_repo.git
 * [new branch]      master -> master

Admin@MyASUS MINGW64 /c/My work (master)
$ |
```

2: Branch Creation and Switching

Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

Ans-

Initialize new git repository:

Step1 - \$ git init

Adding remote repository master as Origin

Step2 - \$ git remote add origin url""

Add command:

Step3 - \$ git add .

To check the status:

Step4 - \$ git status

To commit:

Step5 - \$ git commit -m ""

To push:

Step6 - \$ git push origin master

Branch creation:

Step7 - \$ git branch <feature>

Step8 - \$ git branch

Switching to the new branch:

Step9 - \$ git checkout feature

After changes done:

Step10 - \$ git add .

Step11 - \$ git status

Step12 - \$ git commit -m ""

Step13 - \$ git push origin feature

```
MINGW64/c/My work
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/FirozeBaba/Firoze_repo.git
* [new branch]      master -> master

Admin@MyASUS MINGW64 /c/My work (master)
$ git branch feature

Admin@MyASUS MINGW64 /c/My work (master)
$ git branch
  feature
* master

Admin@MyASUS MINGW64 /c/My work (master)
$ git checkout feature
Switched to branch 'feature'

Admin@MyASUS MINGW64 /c/My work (feature)
$ git add .

Admin@MyASUS MINGW64 /c/My work (feature)
$ git status
On branch feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   File2.txt
        new file:   New file.txt

Admin@MyASUS MINGW64 /c/My work (feature)
$ git commit -m "Added my FirozeBaba"
[feature f02fc2f] Added my FirozeBaba
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 File2.txt
 create mode 100644 New file.txt
```

```
MINGW64/c/My work
$ git add .

Admin@MyASUS MINGW64 /c/My work (feature)
$ git status
On branch feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   File2.txt
        new file:   New file.txt

Admin@MyASUS MINGW64 /c/My work (feature)
$ git commit -m "Added my FirozeBaba"
[feature f02fc2f] Added my FirozeBaba
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 File2.txt
 create mode 100644 New file.txt

Admin@MyASUS MINGW64 /c/My work (feature)
$ git push origin feature
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 255 bytes | 255.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/FirozeBaba/Firoze_repo/pull/new/feature
remote:
To https://github.com/FirozeBaba/Firoze_repo.git
 * [new branch]      feature -> feature

Admin@MyASUS MINGW64 /c/My work (feature)
$
```

3: Feature Branches and Hotfixes - Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

Ans-

Initialize new git repository:

Step1 - \$ git init

Adding remote repository master as Origin

Step2 - \$ git remote add origin url""

Add command:

Step3 - \$ git add .

To check the status:

Step4 - \$ git status

To commit:

Step5 - \$ git commit -m ""

To push:

Step6 - \$ git push origin master

Branch creation:

Step7 - \$ git branch <Hotfix>

Step8 - \$ git branch

Switching to the new branch:

Step9 - \$ git checkout Hotfix

After changes done:

Step10 - \$ git add .

Step11 - \$ git status

Step12 - \$ git commit -m ""

Step13 - \$ git push origin Hotfix

```
D:\Space>git branch Hotfix
```

```
D:\Space>git branch
```

```
Hotfix  
branch_1  
feature  
* master
```

```
D:\Space>git checkout Hotfix
```

```
Switched to branch 'Hotfix'
```

```
D:\Space>git add .
```

```
D:\Space>git commit -m "Add"
```

```
On branch Hotfix  
nothing to commit, working tree clean
```

```
D:\Space>git add .
```

```
D:\Space>git commit -m "Add"
```

```
[Hotfix c1d8509] Add  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 Hiii.txt
```

```
D:\Space>git push origin Hotfix
```

```
Enumerating objects: 3, done.  
Counting objects: 100% (3/3), done.  
Delta compression using up to 4 threads  
Compressing objects: 100% (2/2), done.  
Writing objects: 100% (2/2), 228 bytes | 228.00 KiB/s, done.  
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)  
remote: Resolving deltas: 100% (1/1), completed with 1 local object.  
To https://github.com/FirozeBaba/Firoze_wipro.git  
4e5134c..c1d8509 Hotfix -> Hotfix
```

Accept

Markdown is supported

Paste, drop, or click to add files

Create pull request

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

files added #3

FirozeBaba wants to merge 1 commit into `master` from `Hotfix`

Add more commits by pushing to the `Hotfix` branch on [FirozeBaba/Firoze_wipro](#).

Require approval from specific reviewers before merging

[Rulesets](#) ensure specific people approve pull requests before they're merged.

Add rule

Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

Add a comment

Write

Preview

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Add your comment here...

Merged

files added #3

FirozeBaba merged 1 commit into `master` from `Hotfix` now



FirozeBaba merged commit `5b05a13` into `master` now

Revert



Pull request successfully merged and closed

You're all set—the `Hotfix` branch can be safely deleted.

Delete branch



Add a comment

Write

Preview

H B I

Add your comment here...

Markdown is supported

Paste, drop, or click to add files

Comment

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ProTip! Add `.patch` or `.diff` to the end of URLs for Git's plaintext views.