

Topic 1: [Topic 1: git init](#)

Topic 2: [Git Status , Git add , git commit](#)

Topic 3: [Using git after installation](#)

Topic 4: [Modify the file and commit it](#)

Topic 5: [git log](#)

Topic 6: [git Restore](#)

Topic 7: [git reset](#)

Topic 8 : [git Stash, git Stash pop](#)

Topic 9 : [To add a repository:](#)

Topic 10 : [To add a origin url in your folder](#)

Topic 11 : [To See how many remote URL are associated with folder](#)

Topic 12 : [To Push your changes to git hub server](#)

Topic 13 : [Create a new Branch](#)

Topic 13 : [Create a new Branch](#)

Topic 14 : [Git clone](#)

Topic 15 : [Git add upstream url](#)

Topic 16 : [Git push](#)

Topic 17 : [Git pull](#)

Topic 18 : [Git Fetch](#)

Topic 19 : [To delete the repositories](#)

Git and Github Tutorial: Beginner to Advanced (Part 3)

```
C:\Program Files\Git>cd..  
  
C:\Program Files>cd ..  
  
C:\>cd C:\Users\KIRAN  
  
C:\Users\KIRAN>cd desktop  
  
C:\Users\KIRAN\Desktop>mkdir learngit
```

```
C:\Users\KIRAN\Desktop>cd learngit
```

Topic 1: git init

```
C:\Users\KIRAN\Desktop\learngit>git init
```

```
C:\Users\KIRAN\Desktop\learngit>Dir
 Volume in drive C is OS
 Volume Serial Number is CCC1-DCF3

 Directory of C:\Users\KIRAN\Desktop\learngit

 08/20/2023  02:39 PM    <DIR>          .
 08/20/2023  02:39 PM    <DIR>          ..
               0 File(s)           0 bytes
               2 Dir(s)  221,699,055,616 bytes free
```

To see hidden files

```
C:\Users\KIRAN\Desktop\myGit1>dir /A:H
```

```
C:\Users\KIRAN\Desktop\learngit>dir /A:H
 Volume in drive C is OS
 Volume Serial Number is CCC1-DCF3

 Directory of C:\Users\KIRAN\Desktop\learngit

 08/20/2023  02:39 PM    <DIR>          .git
               0 File(s)           0 bytes
               1 Dir(s)  221,698,355,200 bytes free
```

.git folder is created

→ C:\Users\KIRAN\Desktop\learngit>dir .git

```
C:\Users\KIRAN\Desktop\learngit>dir .git
 Volume in drive C is OS
 Volume Serial Number is CCC1-DCF3

 Directory of C:\Users\KIRAN\Desktop\learngit\.git

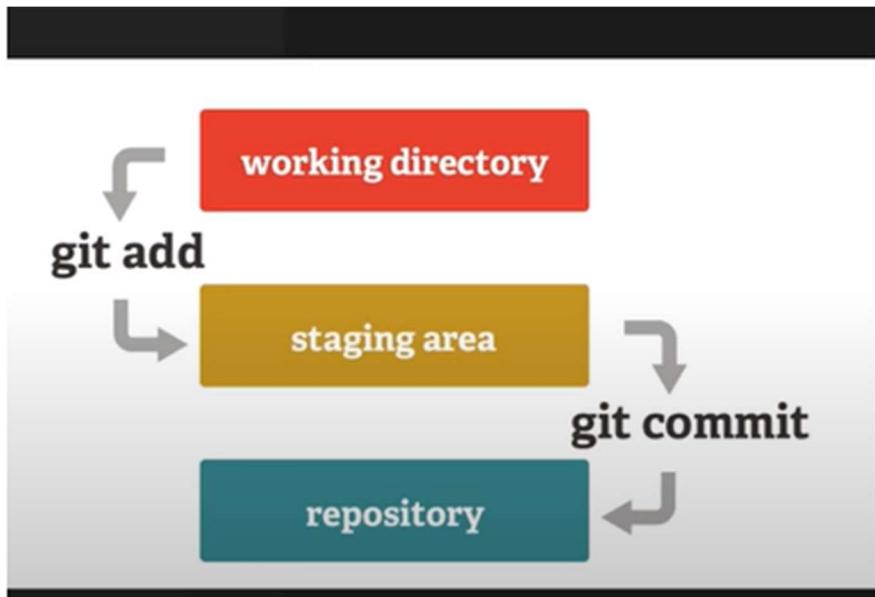
 08/20/2023  02:39 PM      130 config
 08/20/2023  02:39 PM       73 description
 08/20/2023  02:39 PM       23 HEAD
 08/20/2023  02:39 PM    <DIR>      hooks
 08/20/2023  02:39 PM    <DIR>      info
 08/20/2023  02:39 PM    <DIR>      objects
 08/20/2023  02:39 PM    <DIR>      refs
               3 File(s)        226 bytes
               4 Dir(s)  221,691,027,456 bytes free
```

→

Clear the screen

```
C:\Users\KIRAN\Desktop\learngit>cls
```

Topic 2: Git Status , Git add , git commit



1. Create assignment_1.txt file
2. git add .
3. git commit -m " Assignment_1 file added"

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master

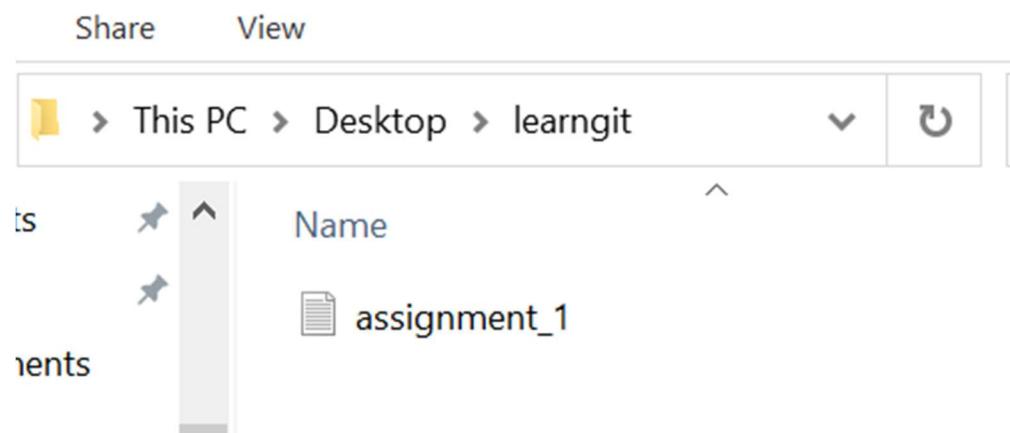
No commits yet

nothing to commit (create/copy files and use "git add" to track)
```

To open a txt file use

→ C:\Users\KIRAN\Desktop\learngit>notepad test.txt

```
C:\Users\KIRAN\Desktop\learngit>notepad assignment_1.txt
```



Git status : It will display file created in red color

```
C:\Users\KIRAN\Desktop\learngit>git status
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_1.txt

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

(Move to Stage Area)

→ C:\Users\KIRAN\Desktop\learngit>git add .

→ or

→ C:\Users\KIRAN\Desktop\learngit>git add assignment_1.txt

```
C:\Users\KIRAN\Desktop\learngit>git add assignment_1.txt
```

(example its like went to stage for Clicking the photo)

```
C:\Users\KIRAN\Desktop\learngit>git status
```

```
On branch master
```

```
No commits yet
```

```
Changes to be committed:
```

```
(use "git rm --cached <file>..." to unstage)
  new file:   assignment_1.txt
```

→ C:\Users\KIRAN\Desktop\learngit>git commit -m " Assignment_1.txt Added"
→ (example its like Clicking the photo and storing in camera)

```
C:\Users\KIRAN\Desktop\learngit>git commit -m " Assignment_1.txt Added"
[master (root-commit) 626bc05] Assignment_1.txt Added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 assignment_1.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
nothing to commit, working tree clean
```

Topic 3: Using git after installation

```
C:\Users\KIRAN\Desktop\myGit1>git commit -m "test.txt new blank file added"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'KIRAN@DESKTOP-C567UN1.(none)')
```

```
C:\Users\KIRAN\Desktop\myGit1>git config --global user.email "kiranchikdsffhale@gmail.com"
```

```
C:\Users\KIRAN\Desktop\myGit1>git config --global user.email "kiranchikdsffhale@gmail.com"

C:\Users\KIRAN\Desktop\myGit1>git commit -m "test.txt new blank file added"
[master (root-commit) bf1f870] test.txt new blank file added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.txt
```

```
C:\Users\KIRAN\Desktop\myGit1>git config --global user.email "kiranchikhale.2025@gmail.com"
```

```
C:\Users\KIRAN\Desktop\myGit1>git config --global user.email "kiranchikhale.2025@gmail.com"

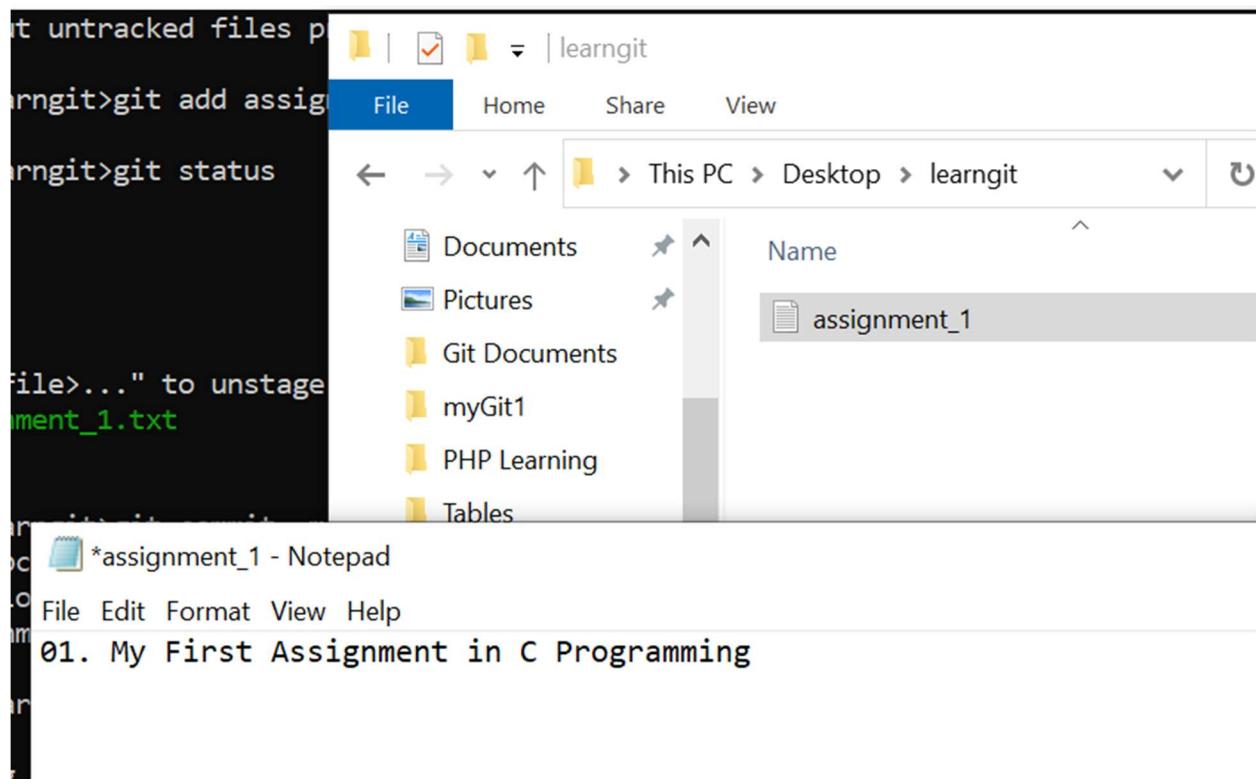
C:\Users\KIRAN\Desktop\myGit1>git status
On branch master
nothing to commit, working tree clean

C:\Users\KIRAN\Desktop\myGit1>git log
commit bf1f870dd2534d0e1ba877a0890083cb8249abc0 (HEAD -> master)
Author: unknown <kiranchikdsffhale@gmail.com>
Date:   Sat Aug 19 18:58:17 2023 +0530

  test.txt new blank file added
```

Topic 4: Modify the file and commit it

1. modify assignment_1.txt file
2. git add .
3. git commit -m " Assignment_1 comment added"



```
C:\Users\KIRAN\Desktop\learngit>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:   assignment_1.txt

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

```
C:\Users\KIRAN\Desktop\learngit>git add assignment_1.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git add assignment_1.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   assignment_1.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git commit -m "Assignment1.txt modifier , added comment_1"
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   assignment_1.txt

C:\Users\KIRAN\Desktop\learngit>git commit -m "Assignment1.txt modifier , added comment_1"
[master fdccf79] Assignment1.txt modifier , added comment_1
 1 file changed, 1 insertion(+)
```

Topic 5: git log

1. It will show the history of commits

```
C:\Users\KIRAN\Desktop\learngit>git log
commit fdccf79bc335431b83e6fa4c7785310eb16823c8 (HEAD -> master)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

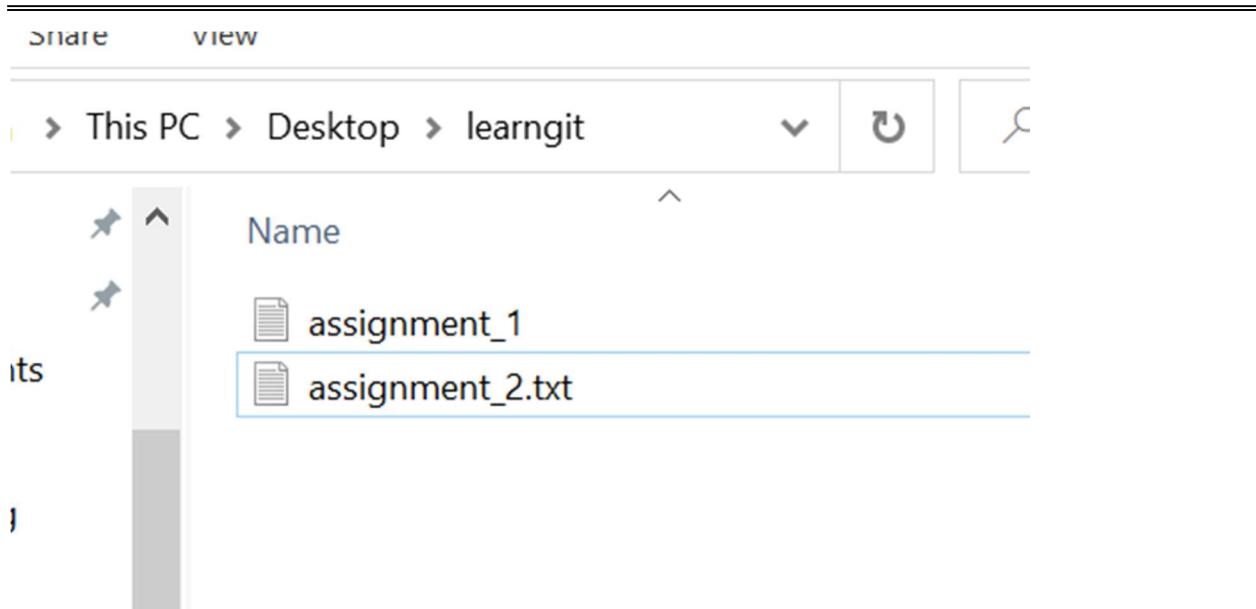
commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

Topic 6: git Restore

Want to remove from the stage. Basically person is on stage and what we are saying is we don't want to take your photo we have already taken it

1. Add a new file called assignment_2.txt
2. Git add .
3. git restore --staged assignment_2.txt.txt



```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_2.txt.txt

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

```
C:\Users\KIRAN\Desktop\learngit>git add .
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git restore --staged assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_2.txt.txt
nothing added to commit but untracked files present (use "git add" to track)
```

Topic 7 : git reset

1. we want to remove till particulate commit
2. git add .
3. git commit -m " Assignment.txt.txt file added"
4. git log
5. git reset d20905e530491880ba92d8f1d2b611c3e2220729

```
C:\Users\KIRAN\Desktop\learngit>git add .
```

```
C:\Users\KIRAN\Desktop\learngit>git add .
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git commit -m " Assignment.txt.txt file added"
```

```
C:\Users\KIRAN\Desktop\learngit>git commit -m " Assignment.txt.txt file added"
[master d20905e] Assignment.txt.txt file added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
nothing to commit, working tree clean
```

```
C:\Users\KIRAN\Desktop\learngit>git log
```

```
C:\Users\KIRAN\Desktop\learngit>git log
commit d20905e530491880ba92d8f1d2b611c3e2220729 (HEAD -> master)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:44:04 2023 +0530

    Assignment.txt.txt file added

commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

```
C:\Users\KIRAN\Desktop\learngit>git reset d20905e530491880ba92d8f1d2b611c3e2220729
```

```
C:\Users\KIRAN\Desktop\learngit>git reset d20905e530491880ba92d8f1d2b611c3e2220729
Unstaged changes after reset:
D       assignment_2.txt.txt
```

git reset (again)

```
C:\Users\KIRAN\Desktop\learngit>git log
commit d20905e530491880ba92d8f1d2b611c3e2220729 (HEAD -> master)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:44:04 2023 +0530

    Assignment.txt.txt file added

commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

```
C:\Users\KIRAN\Desktop\learngit>GIT status
On branch master
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:    assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git log
commit 8430585e6537a748d3f0bb8f4a9cf7479f9807d2 (HEAD -> master)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:50:03 2023 +0530

    Assignment_2.txt.txt Deleted

commit d20905e530491880ba92d8f1d2b611c3e2220729
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:44:04 2023 +0530

    Assignment.txt.txt file added

commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

```
C:\Users\KIRAN\Desktop\learngit>git reset d20905e530491880ba92d8f1d2b611c3e2220729
```

```
C:\Users\KIRAN\Desktop\learngit>git reset d20905e530491880ba92d8f1d2b611c3e2220729
Unstaged changes after reset:
D      assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git log
commit d20905e530491880ba92d8f1d2b611c3e2220729 (HEAD -> master)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:44:04 2023 +0530
```

```
    Assignment.txt.txt file added
```

```
commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530
```

```
    Assignment1.txt modifier , added comment_1
```

```
commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530
```

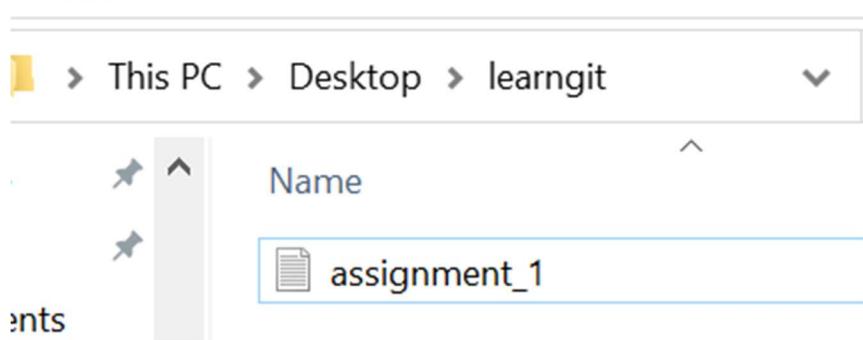
Topic 8 : git Stash, git Stash pop

I don't want to lose /delete my changes. You have modified the code and now due to some reason you want to work on clean code base but you don't want to lose changes you made so you will stash that code.

1. Delete assignment_2.txt
2. Git add .
3. Add assignment_3.txt file
4. Git add .
5. Add new file Assignment4.txt
6. git stash
7. git stash pop
8. Git stash clear

C:\Users\KIRAN\Desktop\learngit>del assignment_2.txt.txt

```
C:\Users\KIRAN\Desktop\learngit>del assignment_2.txt.txt
```



```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
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:    assignment_2.txt.txt

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

```
C:\Users\KIRAN\Desktop\learngit>git add .
```

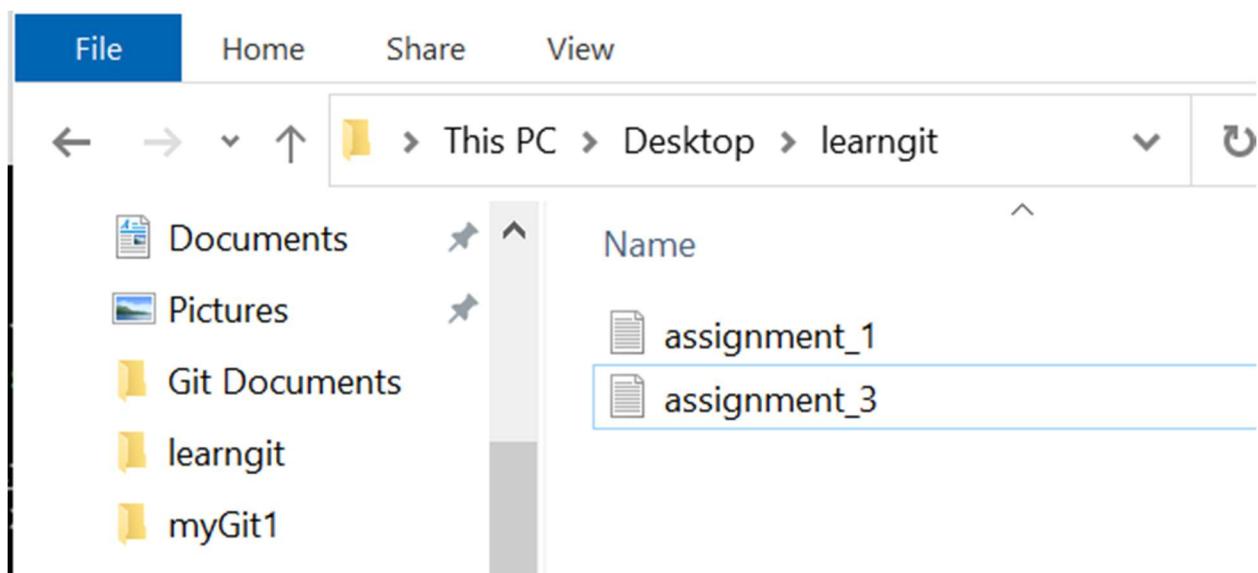
```
C:\Users\KIRAN\Desktop\learngit>git add .
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    deleted:    assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git commit -m "Assignment_2.txt.txt Deleted"
```

```
C:\Users\KIRAN\Desktop\learngit>git commit -m "Assignment_2.txt.txt Deleted"
[master 8430585] Assignment_2.txt.txt Deleted
 1 file changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
nothing to commit, working tree clean
```



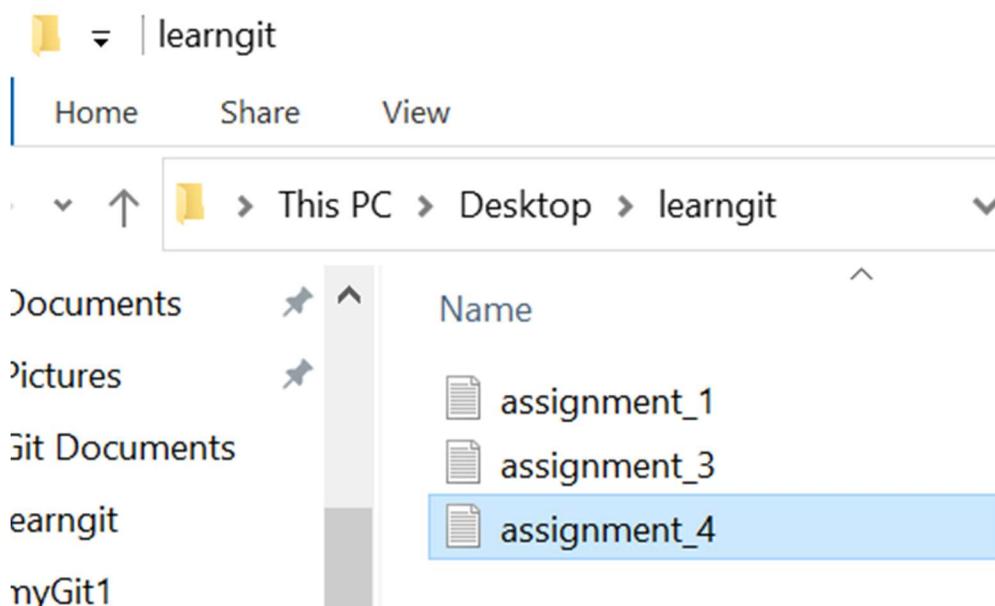
```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:    assignment_2.txt.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_3.txt

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

```
C:\Users\KIRAN\Desktop\learngit>git add .
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    renamed:    assignment_2.txt.txt -> assignment_3.txt
```



```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    renamed:    assignment_2.txt.txt -> assignment_3.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_4.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git add .
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    renamed:    assignment_2.txt.txt -> assignment_3.txt
    new file:   assignment_4.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git stash
```

```
C:\Users\KIRAN\Desktop\learngit>git stash
Saved working directory and index state WIP on master: d20905e Assignment.txt.txt file added
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
nothing to commit, working tree clean
```

```
C:\Users\KIRAN\Desktop\learngit>git stash pop
```

```
C:\Users\KIRAN\Desktop\learngit>git stash pop
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   assignment_3.txt
    new file:   assignment_4.txt

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:    assignment_2.txt.txt
```

```
C:\Users\KIRAN\Desktop\learngit>git stash pop
```

```
C:\Users\KIRAN\Desktop\learngit>git stash pop
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   assignment_3.txt
    new file:   assignment_4.txt

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:    assignment_2.txt.txt

Dropped refs/stash@{0} (47f99cb5121890d68d33d605604e717e4ff706dc)
```

Git stash clear

```
C:\Users\KIRAN\Desktop\learngit>git stash
Saved working directory and index state WIP on master: d20905e Assignment.txt.txt file added
```

```
C:\Users\KIRAN\Desktop\learngit>git stash clear
```

```
C:\Users\KIRAN\Desktop\learngit>git status
On branch master
nothing to commit, working tree clean
```

Topic 9 :To add a repository:

click on new

The screenshot shows the GitHub dashboard for the user 'kiranchikhale'. The top navigation bar includes 'Overview', 'Repositories 2', 'Projects', 'Packages', and 'Stars 3'. A message states 'Your repository "kiranchikhale/gittest" was successfully deleted.' Below this, there is a search bar with 'Find a repository...', filters for 'Type', 'Language', 'Sort', and a green 'New' button. A profile picture of the user is displayed, followed by a repository card for 'HTML-Code-' (Public, HTML, Updated 2 weeks ago) with a 'Star' button.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner *



Repository name *

A text input field containing the repository name 'learningGit'.

learningGit is available.

Great repository names are short and memorable. Need inspiration? How about [scaling-pancake](#) ?

Description (optional)

Public

Anyone on the internet can see this repository. You choose who can commit.

Private

You choose who can see and commit to this repository.

Initialize this repository with:

 **Private**

You choose who can see and commit to this repository.

Initialize this repository with:

Add a README file

This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template:**None** ▾

Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

License:**None** ▾

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

 You are creating a public repository in your personal account.

Create repository

Add a new file to repository

Quick setup — if you've done this kind of thing before

[Set up in Desktop](#)

or

[HTTPS](#)

[SSH](#)

<https://github.com/kiranchikhale/learningGit.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a `README`, `LICENSE`, and `.gitignore`.

The screenshot shows a GitHub repository page for 'kiranchikhale / learningGit'. The top navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A search bar is located at the top right. The main content area displays a large input field with a file icon and the placeholder text 'Drag files here to add them to your repository'.

learningGit /

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Drag files here to add them to your repository
Or [choose your files](#)

Topic 10 :To add a origin url in your folder

```
C:\Users\KIRAN\Desktop\learngit>git remote add myorigin https://github.com/kiranchikhale/learningGit
```

```
C:\Users\KIRAN\Desktop\learngit>git remote add myorigin https://github.com/kiranchikhale/learningGit  
C:\Users\KIRAN\Desktop\learngit>
```

Topic 11 :To See how many remote URL are associated with folder

```
C:\Users\KIRAN\Desktop\learngit>git remote -v
```

```
C:\Users\KIRAN\Desktop\learngit>git remote -v  
myorigin      https://github.com/kiranchikhale/learningGit (fetch)  
myorigin      https://github.com/kiranchikhale/learningGit (push)
```

Topic 12 :To Push your changes to git hub server

```
C:\Users\KIRAN\Desktop\learngit>git push myorigin master
```

```
C:\Users\KIRAN\Desktop\learngit>git push myorigin master  
Enumerating objects: 8, done.  
Counting objects: 100% (8/8), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (4/4), done.  
Writing objects: 100% (8/8), 778 bytes | 259.00 KiB/s, done.  
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0  
To https://github.com/kiranchikhale/learningGit  
 * [new branch]      master -> master
```



3 commit

Commits

A screenshot of the commit history on GitHub. It shows three commits under the 'master' branch on August 20, 2023. 1. 'Assignment.txt.txt file added' (d20905e) by 'kiranchikhale' 5 hours ago. 2. 'Assignment1.txt modifier , added comment_1' (fdccf79) by 'kiranchikhale' 6 hours ago. 3. 'Assignment_1.txt Added' (626bc05) by 'kiranchikhale' 6 hours ago.

```
C:\Users\KIRAN\Desktop\learngit>git log
commit d20905e530491880ba92d8f1d2b611c3e2220729 (HEAD -> master)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:  Sun Aug 20 15:44:04 2023 +0530

    Assignment.txt.txt file added

commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:  Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:  Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

Branching : whenever you want to add any thing to repository always make branch

The terminal window shows the following command and its failure:

```
$ help
$ levels
$ git commit
The command "git commit" isn't supported, sorry!
```

To the right is a vertical sequence of five pink circular nodes labeled C0 through C4. Arrows point upwards from C4 to C3, C3 to C2, C2 to C1, and C1 to C0. A pink arrow points from the text "main*" to node C4.

The terminal window shows the following command and its success:

```
$ help
$ levels
$ git commit
The command "git commit" isn't supported, sorry!
$ git commit
$ git commit
$ git commit
$ git branch feature
$ git checkout feature
```

To the right is a vertical sequence of five orange circular nodes labeled C0 through C4. Arrows point upwards from C4 to C3, C3 to C2, C2 to C1, and C1 to C0. An orange arrow points from the text "main feature*" to node C4.

Learn Git Branching

```
$ help
$ levels
$ git commit
The command "git commit" isn't supported, sorry!
$ git commit
$ git commit
$ git commit
$ git branch feature
$ git checkout feature
$ git commit
$ git commit
$ git checkout main
$ git commit
```

```
graph TD; C0 --> C1 --> C2 --> C3 --> C4; C6 --> C5; C7 --> C4
```

Learn Git Branching

```
$ help
$ levels
$ git commit
The command "git commit" isn't supported, sorry!
$ git commit
$ git commit
$ git commit
$ git branch feature
$ git checkout feature
$ git commit
$ git commit
$ git checkout main
$ git commit
$ git merge feature
$ git checkout C5
```

```
graph TD; C0 --> C1 --> C2 --> C3 --> C4; C6 --> C5; C7 --> C4; C5 --> C6
```

Topic 13 : Create a new Branch

```
C:\Users\KIRAN\Desktop\learngit>git branch feature_1
```

```
C:\Users\KIRAN\Desktop\learngit>git checkout feature_1
```

```
C:\Users\KIRAN\Desktop\learngit>git branch feature_1
```

```
C:\Users\KIRAN\Desktop\learngit>git checkout feature_1
Switched to branch 'feature_1'
```

```
C:\Users\KIRAN\Desktop\learngit>git commit
On branch feature_1
nothing to commit, working tree clean
```

```
C:\Users\KIRAN\Desktop\learngit>git commit
On branch feature_1
nothing to commit, working tree clean
```

```
C:\Users\KIRAN\Desktop\learngit>git checkout master
Switched to branch 'master'
```

```
C:\Users\KIRAN\Desktop\learngit>git merge feature_1
```

```
C:\Users\KIRAN\Desktop\learngit>git commit
On branch master
nothing to commit, working tree clean
```

```
C:\Users\KIRAN\Desktop\learngit>git merge feature_1
Already up to date.
```

```
C:\Users\KIRAN\Desktop\learngit>git log
commit d20905e530491880ba92d8f1d2b611c3e2220729 (HEAD -> master, myorigin/master, feature_1)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:44:04 2023 +0530

    Assignment.txt.txt file added

commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

```
C:\Users\KIRAN\Desktop\learngit>git branch feature_2
```

```
C:\Users\KIRAN\Desktop\learngit>git log
commit d20905e530491880ba92d8f1d2b611c3e2220729 (HEAD -> master, myorigin/master, feature_2, feature_1)
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:44:04 2023 +0530

    Assignment.txt.txt file added

commit fdccf79bc335431b83e6fa4c7785310eb16823c8
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:13:34 2023 +0530

    Assignment1.txt modifier , added comment_1

commit 626bc056440687d3d044fef416f61cc81da14991
Author: unknown <kiranchikhale.2025@gmail.com>
Date:   Sun Aug 20 15:00:57 2023 +0530

    Assignment_1.txt Added
```

Topic 14 : Git Clone

Go to git terminal and do

git clone url

(it will download the project in your hard disk)

Upstream URL : From where you have forked it

Topic 15 : Git remote add upstream

This add a url where your code is forked from

Git remote add myupstream url

Topic 16 : Git Push

Your code will get pushed in origin uRL

Git push myorigin kirin

Topic 17 : Git Pull

Pull request is used when you want to add your code in main project where you fetched the code.

Git pull upstream main

Topic 18 : Git Fetch

If you want code from github use

git fetch upstream

Topic 19 : Git config

```
git config --global user.name "your name here"  
git config --global user.name "Kiran Chikhale"
```

```
git config --global user.email "your email id here"  
git config --global user.email kiranchikhale.2025@gmail.com
```

```
git config --global user.name  
git config --global user.email
```

to edit config settings

```
git config -- global --edit
```

Topic 19 : To goto any commit

Git checkout [hashcode of that commit/ branch]

Topic 20 : To ignore the file

```
C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Secretkey.txt

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

C:\Users\KIRAN\Desktop\myLearnGithub>notepad .gitignore
p
C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .gitignore

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

C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch master
nothing to commit, working tree clean
```

C:\Users\KIRAN\Desktop\myLearnGithub>notepad .gitignore



```
C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch master
nothing to commit, working tree clean
```

Topic 20 : To delete the repositories



kiranchikhale
Kiran Ch

 Set status

 Your profile

 Your repositories

Projects



Packages



Stars

3

Find a repository...

gittest Public

Updated yesterday

HTML-Code- Public

HTML Updated 2 weeks ago

A screenshot of a GitHub repository page. At the top, there's a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the navigation bar, the repository name 'kiranchikhale / gittest' is shown, along with a search bar and a 'Type ⌘ to search' placeholder. A user profile picture and the repository name 'gittest' are displayed, with a 'Public' badge. Below this, there are buttons for Pin and Unwatch, with a count of 1. Underneath, a summary shows 'master' branch, '1 branch', and '0 tags'. There are buttons for Go to file, Add file, and Code. A commit history section shows one commit from 'bf1f870' yesterday, adding 'test.txt'. Below the commit history, there's a note to 'Add a README'.

A screenshot of the 'Danger Zone' settings page. It lists several actions with their descriptions and corresponding buttons:

- Change repository visibility**: This repository is currently public. [Change visibility](#)
- Disable branch protection rules**: Disable branch protection rules enforcement and APIs. [Disable branch protection rules](#)
- Transfer ownership**: Transfer this repository to another user or to an organization where you have the ability to create repositories. [Transfer](#)
- Archive this repository**: Mark this repository as archived and read-only. [Archive this repository](#)
- Delete this repository**: Once you delete a repository, there is no going back. Please be certain. [Delete this repository](#)

A screenshot of a confirmation dialog titled 'Delete kiranchikhale/gittest'. It features a large 'X' button at the top right. Below the title, the repository name 'kiranchikhale/gittest' is shown with a lock icon. At the bottom, it displays '0 stars' and '1 watcher'. A large button at the bottom center says 'I want to delete this repository'.

Delete kiranchikhale/gittest

X



kiranchikhale/gittest

☆ 0 stars ⚡ 1 watcher

⚠️ Unexpected bad things will happen if you don't read this!

- This will permanently delete the kiranchikhale/gittest repository, wiki, issues, comments, packages, secrets, workflow runs, and remove all collaborator associations.

I have read and understand these effects

Delete kiranchikhale/gittest

X



kiranchikhale/gittest

☆ 0 stars ⚡ 1 watcher

To confirm, type "kiranchikhale/gittest" in the box below

kiranchikhale/gittest

Delete kiranchikhale/gittest

X



kiranchikhale/gittest

☆ 0 stars ⚡ 1 watcher

To confirm, type "kiranchikhale/gittest" in the box below

kiranchikhale/gittest

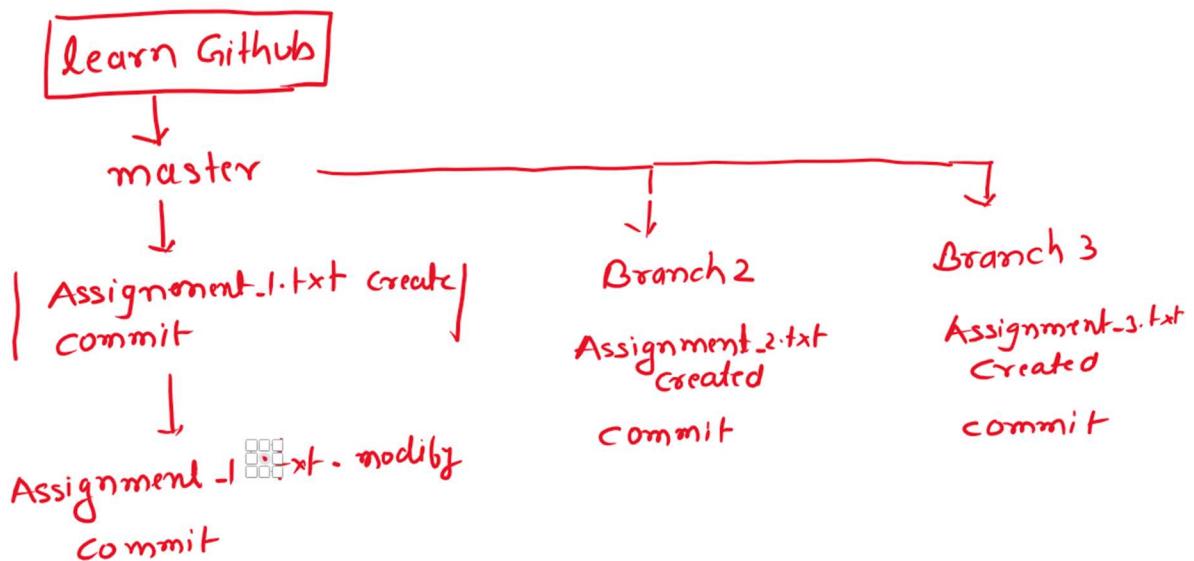
Delete this repository

ssfully deleted.

Find a repository...

HTML-Code- Public

 HTML Updated 2 weeks ago



```

C:\Program Files\Git>git config --global user.name
C:\Program Files\Git>git config --global user.email
kiranchikhale.2025@gmail.com
C:\Program Files\Git>git config --global user.name "Kiran_1"
C:\Program Files\Git>cd C:\Users\KIRAN
C:\Users\KIRAN>cd desktop

```

```

C:\Users\KIRAN\Desktop>git init
Initialized empty Git repository in C:/Users/KIRAN/Desktop/.git/

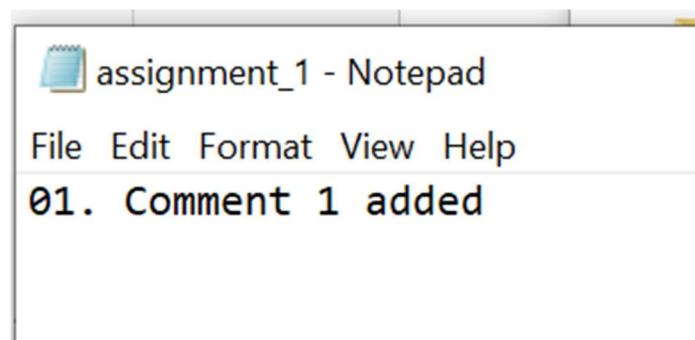
```

```

C:\Users\KIRAN\Desktop>cd myLearnGithub
C:\Users\KIRAN\Desktop\myLearnGithub>git init
Initialized empty Git repository in C:/Users/KIRAN/Desktop/myLearnGithub/.git/

```

```
C:\Users\KIRAN\Desktop\myLearnGithub>notepad assignment_1.txt  
C:\Users\KIRAN\Desktop\myLearnGithub>git add .  
C:\Users\KIRAN\Desktop\myLearnGithub>git status  
On branch master  
^  
>No commits yet  
|  
Changes to be committed:  
(use "git rm --cached <file>..." to unstage)  
e new file: assignment_1.txt  
  
C:\Users\KIRAN\Desktop\myLearnGithub>git commit -m "Assignment_1.txt created"  
[master (root-commit) 91b67b9] Assignment_1.txt created  
1 file changed, 0 insertions(+), 0 deletions(-)  
create mode 100644 assignment_1.txt
```



```
C:\Users\KIRAN\Desktop\myLearnGithub>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:   assignment_1.txt

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

C:\Users\KIRAN\Desktop\myLearnGithub>git add .

C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   assignment_1.txt

C:\Users\KIRAN\Desktop\myLearnGithub>git commit -m "Assignment_1.txt modified"
[master c0cc97b] Assignment_1.txt modified
 1 file changed, 1 insertion(+)
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch master
nothing to commit, working tree clean
PC:\Users\KIRAN\Desktop\myLearnGithub>git log
commit c0cc97b9a16bc4e6cb3cb08f5c52e7dec966040a (HEAD -> master)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:14:20 2023 +0530
      Assignment_1.txt modified

commit 91b67b96dfcecef78ece2705d451237290b81143
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:10:29 2023 +0530
      Assignment_1.txt created
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git branch branch_1
C:\Users\KIRAN\Desktop\myLearnGithub>git branch branch_2
C:\Users\KIRAN\Desktop\myLearnGithub>git log
commit c0cc97b9a16bc4e6cb3cb08f5c52e7dec966040a (HEAD -> master, branch_2, branch_1, branch_!)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:14:20 2023 +0530

    Assignment_1.txt modified

commit 91b67b96dfcecef78ece2705d451237290b81143
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:10:29 2023 +0530

    Assignmnet_1.txt created
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout branch_1
Switched to branch 'branch_1'

C:\Users\KIRAN\Desktop\myLearnGithub>notepad assignmnet_2.txt
's

C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch branch_1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignmnet_2.txt

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

C:\Users\KIRAN\Desktop\myLearnGithub>git add .

C:\Users\KIRAN\Desktop\myLearnGithub>git commit -m "Assignment_2.txt added to branch_2"
[branch_1 555dcfd] Assignment_2.txt added to branch_2
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 assignmnet_2.txt
```

```
C:\Users\KIRAN\Desktop\myLearnGitHub>git log
commit 555dcfd0987cf5bafa14a0ebbc4a2d37911454c8 (HEAD -> branch_1)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:24:21 2023 +0530

    Assignment_2.txt added to branch_2

commit c0cc97b9a16bc4e6cb3cb08f5c52e7dec966040a (master, branch_2, branch_1)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:14:20 2023 +0530

    Assignment_1.txt modified

commit 91b67b96dfcecef78ece2705d451237290b81143
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:10:29 2023 +0530

    Assignment_1.txt created
```

```
C:\Users\KIRAN\Desktop\myLearnGitHub>git checkout branch_2
Switched to branch 'branch_2'

C:\Users\KIRAN\Desktop\myLearnGitHub>notepad assignmnet_3.txt

C:\Users\KIRAN\Desktop\myLearnGitHub>git status
On branch branch_2
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignmnet_3.txt

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

C:\Users\KIRAN\Desktop\myLearnGitHub>git add .
'S'

C:\Users\KIRAN\Desktop\myLearnGitHub>git commit -m "Assignment3.txt added"
[branch_2 c7cb097] Assignment3.txt added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 assignmnet_3.txt
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git log
commit c7cb097d3f750034913ea21aa990332dae781c90 (HEAD -> branch_2)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:27:50 2023 +0530

    Assignment3.txt added

commit c0cc97b9a16bc4e6cb3cb08f5c52e7dec966040a (master, branch_1)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:14:20 2023 +0530

    Assignment_1.txt modified

commit 91b67b96dfcecef78ece2705d451237290b81143
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:10:29 2023 +0530

    Assignmnet_1.txt created
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>notepad assignment_4.txt

C:\Users\KIRAN\Desktop\myLearnGithub>git add .

C:\Users\KIRAN\Desktop\myLearnGithub>git commit -m "Assignment_4.txt added"
[branch_2 be84463] Assignment_4.txt added
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 assignment_4.txt
```

```
PC:\Users\KIRAN\Desktop\myLearnGithub>git log
commit be84463e558fa3b2e43b32135cdb4d727d073a38 (HEAD -> branch_2)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:31:51 2023 +0530

    Assignment_4.txt added

commit c7cb097d3f750034913ea21aa990332dae781c90
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:27:50 2023 +0530

    Assignment3.txt added

commit c0cc97b9a16bc4e6cb3cb08f5c52e7dec966040a (master, branch_1)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:14:20 2023 +0530
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git reset c7cb097d3f750034913ea21aa990332dae781c90

C:\Users\KIRAN\Desktop\myLearnGithub>git log
commit c7cb097d3f750034913ea21aa990332dae781c90 (HEAD -> branch_2)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:27:50 2023 +0530

    Assignment3.txt added

commit c0cc97b9a16bc4e6cb3cb08f5c52e7dec966040a (master, branch_1)
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:14:20 2023 +0530

    Assignment_1.txt modified

commit 91b67b96dfcecef78ece2705d451237290b81143
Author: Kiran_1 <kiranchikhale.2025@gmail.com>
Date:   Tue Aug 22 15:10:29 2023 +0530

    Assgnmnet_1.txt created
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch branch_2
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_4.txt

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

```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout branch_1
Switched to branch 'branch_1'

C:\Users\KIRAN\Desktop\myLearnGithub>notepad assignment_2.2.txt

C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch branch_1
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  or
    assignment_2.2.txt
    assignment_4.txt

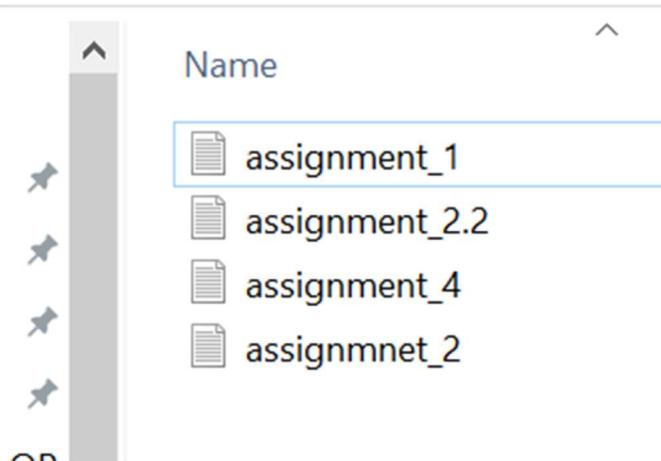
nothing added to commit but untracked files present (use "git add" to track)

C:\Users\KIRAN\Desktop\myLearnGithub>git add assignment_2.2.txt
o C:\Users\KIRAN\Desktop\myLearnGithub>git status
On branch branch_1
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   assignment_2.2.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    assignment_4.txt

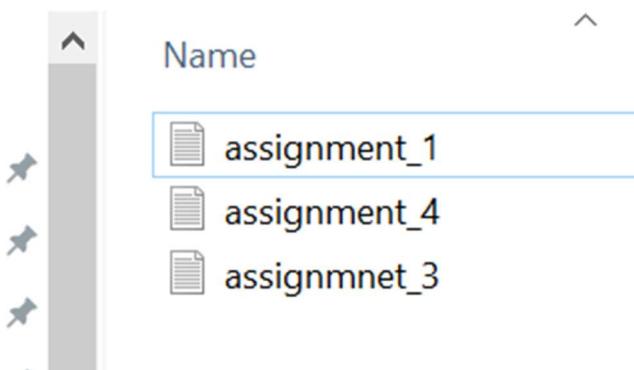
C:\Users\KIRAN\Desktop\myLearnGithub>git commit -m "Assignment_2.2 added"
[branch_1 41e21f2] Assignment_2.2 added
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 assignment_2.2.txt
```

Desktop > myLearnGithub



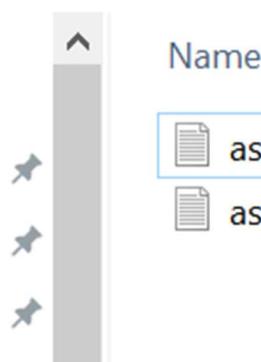
```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout branch_2  
Switched to branch 'branch_2'
```

« Desktop > myLearnGithub



```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout master  
Switched to branch 'master'
```

Desktop > myLearnGithub



```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout branch_2
Switched to branch 'branch_2'

C:\Users\KIRAN\Desktop\myLearnGithub>notepad assignment_5.txt

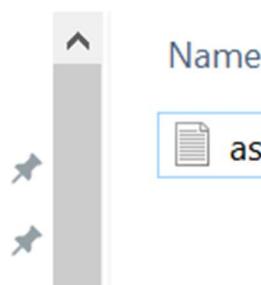
C:\Users\KIRAN\Desktop\myLearnGithub>git add .

C:\Users\KIRAN\Desktop\myLearnGithub>git commit -m "Assignment_5.txt added"
[branch_2 8a2263d] Assignment_5.txt added
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 assignment_4.txt
 create mode 100644 assignment_5.txt
```

```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout master
Switched to branch 'master'
```

File View

Desktop > myLearnGithub



```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout branch_1  
Switched to branch 'branch_1'
```

« Desktop > myLearnGithub

	Name
1	assignment_1
2	assignment_2.2
3	assignmnet_2

```
C:\Users\KIRAN\Desktop\myLearnGithub>git checkout branch_2  
Switched to branch 'branch_2'
```

« Desktop > myLearnGithub

	Name
1	assignment_1
2	assignment_4
3	assignment_5
4	assignmnet_3