1) Sudo apt-get install git

Installing git application

```
ubuntu@ip-172-31-39-107:~$ sudo apt-get install git
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
git-daemon-run | git-daemon-sysvinit git-doc git-email git-gui gitk gitweb git-cvs git-mediawiki git-svn
The following NEW packages will be installed:
0 upgraded, 1 newly installed, 0 to remove and 26 not upgraded.

Need to get 3679 kB of archives.

After this operation, 22.2 MB of additional disk space will be used.

Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 git amd64 1:2.43.0-1ubuntu7.1 [3679 kB]

Fetched 3679 kB in 0s (48.4 MB/s)
Selecting previously unselected package git.
(Reading database ... 66859 files and directories currently installed.)
Preparing to unpack .../git_1%3a2.43.0-1ubuntu7.1_amd64.deb ...
Unpacking git (1:2.43.0-1ubuntu7.1) ...
Setting up git (1:2.43.0-1ubuntu7.1) ...
Scanning processes...
Scanning linux images...
Running kernel seems to be up-to-date.
No services need to be restarted.
No containers need to be restarted.
No user sessions are running outdated binaries.
No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-39-107:~$
```

2) Git init

Initializing git repository

```
ubuntu@ip-172-31-39-107:~/gitassignment$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
nint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
iint:
       git config --global init.defaultBranch <name>
nint:
iint:
nint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
nint:
       git branch -m <name>
hint:
Initialized empty Git repository in /home/ubuntu/gitassignment/.git/
ubuntu@ip-172-31-39-107:~/gitassignment$ ls -a
ubuntu@ip-172-31-39-107:~/gitassignment$
```

3) Configuring

Configuring user details

```
git config --global user.name "shruthi" git config --global user.mail "shruthir1017@gmail.com"
```

4) add file and commit, status

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ touch file1

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git add file1

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git commit -m "file1 added"
[master (root-commit) 0e52f41] file1 added
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git status
On branch master
nothing to commit, working tree clean

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git config --global user.name "shruthi"

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git config --global user.mail "shruthir1017@gmail.com"
```

5) Git log

```
ubuntu@ip-172-31-39-107:~/gitassignment$ git log
commit cdd88fb1bffc947d384ed4627edf2d095b0a2a54 (HEAD -> master)
Author: shruthi <ubuntu@ip-172-31-39-107.ec2.internal>
Date: Wed Jul 31 08:07:38 2024 +0000

file 1 added
ubuntu@ip-172-31-39-107:~/gitassignment$ |
```

Git log -- oneline

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git log --oneline
9c3c8d9 (HEAD -> master) f3 created
6ac07dd f2 created
aa612e8 f1 created
```

Git log <file-name>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)

$ git log f1
commit 1db42512d72730d01e27236889f4a74e1e9fc0de (HEAD -> master)
Author: shruthi <shruthir1017@gmail.com>
Date: Fri Aug 2 12:44:36 2024 +0530

f1 updated

commit aa612e80e8c579236743e5260276e63d8d74ffc3
Author: shruthi <shruthir1017@gmail.com>
Date: Fri Aug 2 12:41:28 2024 +0530

f1 created
```

Git log --author="user-name"

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)

$ git log --author="shruthi" --oneline
1db4251 (HEAD -> master) f1 updated
9c3c8d9 f3 created
6ac07dd f2 created
aa612e8 f1 created
```

6) Git blame filename-display who modified the file line by line

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master) $ git blame index.txt  
Afa6a2b9 (shruthi 2024-07-31 23:41:26 +0530 1) hello  
2e0c2fef (shruthi 2024-07-31 23:43:58 +0530 2) hello
```

7) Git restore <filename>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)

$ git status
On branch master
Changes to be committed:
    (use "git restore --staged <file>..." to unstage)
        modified: f1

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: f2
        deleted: f3

Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)

$ git restore f3

Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)

$ git status
On branch master
Changes to be committed:
    (use "git restore --staged <file>..." to unstage)
        modified: f1

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: f2
```

Git restore. (all files will be restored)

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:
                     f1
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:
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git restore .
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:
                     f1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
```

Git restore -- staged <file-name>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
                    disha1
        new file:
        new file:
        new file:
                    t2
        new file:
                    t3
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git restore --staged t1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
                    disha1
        new file:
                    t2
        new file:
                    t3
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        t1
```

Git restore - - staged . (All files which are in staging area)

8) .gitignore

Vi .gitignore (include the files which you want to untrack)

```
MINGW64:/f/New folder
```

```
shru1
shru2
shru3
```

9) Git commit - -amend

To edit recent commit message

```
TOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
  touch file2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git add file2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master) $ git commit -m "file2 created" [master e5378ff] file2 created 1 file changed, 0 insertions(+), 0 deletions(-) create mode 100644 file2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git commit --amend
[master d2be7b4] file2 updated
Date: Thu Aug 1 00:02:56 2024 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file2
file2 created
  Please enter the commit message for your changes. Lines starting
  with '#' will be ignored, and an empty message aborts the commit.
                  Thu Aug 1 00:02:56 2024 +0530
  Date:
  On branch master
  Changes to be committed:
           new file:
                            file2
```

10) Git checkout <commit-id>

```
commit cdd88fb1bffc947d384ed4627edf2d095b0a2a54 (HEAD -> master)

Author: shruthi <ubuntu@ip-172-31-39-107.ec2.internal>
Date: Wed Jul 31 08:07:38 2024 +0000

file 1 added

ubuntu@ip-172-31-39-107:~/gitassignment$ git checkout cdd88fb1bffc947d384ed4627edf2d095b0a2a54

Note: switching to 'cdd88fb1bffc947d384ed4627edf2d095b0a2a54'.

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using -c with the switch command. Example:

git switch -c <new-branch-name>

Or undo this operation with:

git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at cdd88fb file 1 added 
ubuntu@ip-172-31-39-107:~/gitassignment$ git branch

* (HEAD detached at cdd88fb)

master
```

11) Git branch

Git branch feture1
Git checkout feture1
Git checkout –b feture2
Git branch –d feture1

Git branch -m feture1 branch1

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
 git branch b1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
 git checkout -b b2
Switched to a new branch 'b2'
 hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (b2)
 git branch
b1
 master
 hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (b2)
 git branch -m b2 b3
 hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (b3)
 git branch
 master
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (b3)
 git branch b1
atal: a branch named 'b1' already exists
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (b3) git branch -d b1
Deľeted branch b1 (was 6081abb).
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (b3)
 git branch
 master
```

12) Git tag Git tag tagname Git checkout tagname git tag –d tagname git show tagname git tag tagname <commit-id>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
 touch t1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git add t1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git commit -m "t1 created"
[master (root-commit) e92c79b] t1 created
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
git log --oneline
 92c79b (HEAD -> master) t1 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git tag v.1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
 git log --oneline
 92c79b (HEAD -> master, tag: v.1) t1 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ touch t2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git add t2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git commit -m "t2 created"
[master 83742da] t2 created
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t2
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git tag v.2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git tag
v.1
v.2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git show v.1
commit e92c79b4a2dfcb5af7cc01f530d0e40ad1913a04 (tag: v.1)
Author: shruthi <shruthir1017@gmail.com>
Date: Sat Aug 3 23:38:46 2024 +0530
    t1 created
diff --git a/t1 b/t1
new file mode 100644
index 0000000..e69de29
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git tag -d v.1
Deleted tag 'v.1' (was e92c79b)
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git tag
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ touch t3
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git add t3
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git commit -m "t3 created"
[master 6081abb] t3 created
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 t3
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git log --oneline
6081abb (HEAD -> master) t3 created
83742da (tag: v.2) t2 created
e92c79b t1 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git tag v.3 6081abb
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git log --oneline
6081abb (HEAD -> master, tag: v.3) t3 created
33742da (tag: v.2) t2 created
 92c79b t1 created
```

13) Git merge

==> Assignment :

try to create master branch in master branch create a file biggest3.c in master branch create a file fact.c and give tag name under master you create one more branch --> branch 1 in branch 1 create a file with code of reverse.c again create a branch 2 in master branch in branch 2 create a file fibbonacci.called merge branch 1 and branch 2 in master branch

Git merge
branchname>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ vi big.c
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git add big.c
warning: in the working copy of 'big.c', LF will be replaced by CRLF the next time Git touches it
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git commit -m "biggest"
[master f373f3d] biggest
1 file changed, 1 insertion(+)
create mode 100644 big.c
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ vi fact.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git add fact.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)

§ git commit -m "factorial"
[master b0ad6f7] factorial

1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fact.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git tag v.1
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git checkout -b b1
Switched to a new branch 'b1'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b1)
$ vi rev.c
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b1)
$ vi add rev.c
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b1)
$ git add rev.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b1) $ git commit -m "reverese"
[b1 e94dd08] reverese
1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 rev.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b1)
$ git checkout master
Switched to branch 'master'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git checkout -b b2
Switched to a new branch 'b2'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b2)
$ vi fib.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b2)
$ git add fib.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b2)

$ git commit -m "fibinocci"
[b2 cc7b8cd] fibinocci
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fib.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (b2)
$ git checkout master
Switched to branch 'master'
```

When we try to do git merge branch2 Merge commit message will open in viewditor do the cahnges if required and then save commit message

One extra commit added for merge in master branch with existing commits

```
Merge branch 'b2'
# Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
# Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git merge b1
Updating b0ad6f7..e94dd08
Fast-forward
 rev.c | 0
 1 file changed, 0 insertions(+), 0 deletions(-) create mode 100644 rev.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git log --oneline
e94dd08 (HEAD -> master, b1) reverese
b0ad6f7 (tag: v.1) factorial
f373f3d biggest
1342f98 bug fixed
0e52f41 file1 added
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git merge b2
Merge made by the 'ort' strategy.
 fib.c | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fib.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git log --oneline
925e7a7 (HEAD -> master) Merged branch 'b2'
cc7b8cd (b2) fibinocci
e94dd08 (b1) reverese
b0ad6f7 (tag: v.1) factorial
f373f3d biggest
1342f98 bug fixed
0e52f41 file1 added
```

14) Git rebase

try to create master branch in master branch create a file biggest3.c in master branch create a file fact.c and give tag name under master you create one more branch --> branch 1 in branch 1 create a file with code of reverse.c again create a branch 2 in master branch in branch 2 create a file fibbonacci.called

Git rebase branch-name

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ touch big.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git add big.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git commit -m "biggest"
[master (root-commit) 3f2cdaa] biggest
 1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 big.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ touch fact.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git add fact.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git commit -m "factorial"
[master ae7f24e] factorial
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fact.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git tag v.2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git checkout -b b1
Switched to a new branch 'b1'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b1)
$ touch rev.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b1)
$ git add rev.c
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b1)
$ git commit -m "reverse"
[b1 d4bd613] reverse
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 rev.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b1)
$ git checkout master
Switched to branch 'master'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git checkout -b b2
Switched to a new branch 'b2'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b2)
 touch fib.c
$ git add fib.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b2)
$ git commit -m "fibinocci"
[b2 312d767] fibinocci
1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fib.c
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (b2)
$ git checkout master
Switched to branch 'master'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git log --oneline
ae7f24e (HEAD -> master, tag: v.2) factorial
3f2cdaa biggest
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git rebase b1
Successfully rebased and updated refs/heads/master.
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git log --oneline
d4bd613 (HEAD -> master, b1) reverse ae7f24e (tag: v.2) factorial
3f2cdaa biggest
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git rebase b2
Successfully rebased and updated refs/heads/master.
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2) (master)
$ git log --oneline
```

c49dd0c (HEAD -> master) reverse 312d767 (b2) fibinocci ae7f24e (tag: v.2) factorial

3f2cdaa biggest

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch1)
$ git log
commit 74b193f495dc6444894216ac790892b138d428ed (HEAD -> branch1)
Author: shruthi <shruthir1017@gmail.com>
Date: Sat Aug 3 22:41:58 2024 +0530
    t2 and t3 added
commit 0e52f41f6d8f8788f02c3dff001ced00d793a46b (master)
Author: shruthi <shruthir1017@gmail.com>
        Sat Aug 3 22:26:49 2024 +0530
Date:
    file1 added
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch1)
$ git checkout -b branch2
Switched to a new branch 'branch2'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch2)
$ touch bugfix.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch2)
$ git add bugfix.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch2)
$ git commit -m "bug fixed"
[branch2 9af9ff1] bug fixed
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 bugfix.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch2)
$ git log --oneline
9af9ff1 (HEAD -> branch2) bug fixed
74b193f (branch1) t2 and t3 added
0e52f41 (master) file1 added
```

Git cherry-pick

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch2)
$ git checkout branch1
Switched to branch 'branch1'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch1)
$ git cherry-pick 9af9ff1
[branch1 b62c024] bug fixed
Date: Sat Aug 3 22:43:14 2024 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 bugfix.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch1)
$ git log --oneline
062c024 (HEAD -> branch1) bug fixed
74b193f t2 and t3 added
Oe52f41 (master) file1 added
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (branch1)
$ git checkout master
Switched to branch 'master'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git cherry-pick 9af9ff1
[master 1342f98] bug fixed
Date: Sat Aug 3 22:43:14 2024 +0530
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 bugfix.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (master)
$ git log --oneline
1342f98 (HEAD -> master) bug fixed
Oe52f41 file1 added
```

```
hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ vi index.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git add .
warning: in the working copy of 'index.txt', LF will be replaced by CRLF the next time Git touches it
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git commit -m "index created"
[master (root-commit) fa6a2b9] index created
 1 file changed, 1 insertion(+)
 create mode 100644 index.txt
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git log --oneline
 a6a2b9 (HEAD -> master) index created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git checkout -b branch1
Switched to a new branch 'branch1'
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
$ 75
index.txt
```

```
ruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
 git checkout master
witched to branch 'master'
nruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
 vi index
hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
 vi index.txt
hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
git add .
varning: in the working copy of 'index.txt', LF will be replaced by CRLF the next time Git touches it
hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master) git commit -m "index updated
master 2e0c2fe] index updated
2 files changed, 1 insertion(+) create mode 100644 index
hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
git checkout branch1
witched to branch 'branch1'
hruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
 vi index.txt
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
 git checkout master
error: Your local changes to the following files would be overwritten by checkout:
        index.txt
Please commit your changes or stash them before you switch branches.
Aborting
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
$ git stash
Saved working directory and index state WIP on branch1: fa6a2b9 index created
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
$ git checkout master
Switched to branch 'master'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git checkout branch1
Switched to branch 'branch1'
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
$ git stash list
stash@{0}: WIP on branch1: fa6a2b9 index created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
$ git stash pop
On branch branch1
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)
no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (0b5a66b0e2579f315824f8565301b999cab5c8de)
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (branch1)
$ git stash list
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)

§ git rebase -i HEAD~2
[detached HEAD 59d0a74] This is a combination of 2 commits.

Date: Wed Jul 31 23:43:58 2024 +0530

3 files changed, 1 insertion(+)
create mode 100644 file2
create mode 100644 index
Successfully rebased and updated refs/heads/master.

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)

§ git log
commit 59d0a74913c594dbc55blecf52ba815cad3ca744 (HEAD -> master)
Author: shruthi <shruthir1017@gmail.com>
Date: Wed Jul 31 23:43:58 2024 +0530

This is a combination of 2 commits.

index updated

file2 updated
```

1

18) Git revert

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git revert e3a9fba
[master 1728b79] Revert "files added"
7 files changed, 2 insertions(+) rename file1 => index (100%) create mode 100644 index.txt
 rename file3 => shru11 (100%)
 rename file4 => shru12 (100%)
rename file5 => shru13 (100%)
 create mode 100644 shru14
 create mode 100644 shru15
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (2)/project2 (master)
$ git log
 ommit 1728b791b5cb030b615dfd98c0d9f29533b1c121 (HEAD -> master)
Author: shruthi <shruthir1017@gmail.com>
Date: Thu Aug 1 00:24:31 2024 +0530
    Revert "files added"
    This reverts commit e3a9fba26f1481b3c6dc1c011f71158b04193150.
 commit e3a9fba26f1481b3c6dc1c011f71158b04193150
Author: shruthi <shruthir1017@gmail.com>
        Thu Aug 1 00:23:49 2024 +0530
    files added
```

```
Revert "files added'
This reverts commit e3a9fba26f1481b3c6dc1c011f71158b04193150.
# Please enter the commit message for your changes. Lines starting
 with '#' will be ignored, and an empty message aborts the commit.
 On branch master
 Changes to be committed:
        renamed:
                    file1 -> index
        new file:
                    index.txt
        renamed:
                    file3 -> shru11
                    file4 -> shru12
        renamed:
                    file5 -> shru13
        renamed:
        new file:
                    shru14
        new file:
                    shru15
```

19) Git reset

Git reset --hard HEAD~2

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git log --oneline
f57bcbe (HEAD -> master) shru8 created
81276a7 shru7 created
b057046 shru6 created
9b0e297 shru5 created
adca836 shru4 created
9dc3a67 shru3 created
1801d63 shru2 created
ea3dc7e shru1 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git reset --hard HEAD~2
HEAD is now at b057046 shru6 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git log --oneline
b057046 (HEAD -> master) shru6 created
9b0e297 shru5 created
adca836 shru4 created
9dc3a67 shru3 created
1801d63 shru2 created
ea3dc7e shru1 created
```

Git reset --mixed HEAD~2

Git reset --soft HEAD~2

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git log --oneline
b057046 (HEAD -> master) shru6 created
9b0e297 shru5 created
adca836 shru4 created
9dc3a67 shru3 created
1801d63 shru2 created
ea3dc7e shru1 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git reset --soft HEAD~2
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git log --oneline
adca836 (HEAD -> master) shru4 created
9dc3a67 shru3 created
1801d63 shru2 created
ea3dc7e shru1 created
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
                     shru5
        new file:
                     shru6
```

20) Git show

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
 touch file5
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git add file5
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git commit -m "file5 created"
[master 4ec39cf] file5 created
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file5
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git show
commit 4ec39cfb8c4259a447fbbdd17de5260144bbeb5e (HEAD -> master)
Author: shruthi <shruthir1017@gmail.com>
Date: Fri Aug 2 13:50:25 2024 +0530
    file5 created
diff --git a/file5 b/file5
new file mode 100644
index 0000000..e69de29
```

Git show <commit-id>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)

$ git log --oneline
4ec39cf (HEAD -> master) file5 created
1801d63 shru2 created
ea3dc7e shru1 created

Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)

$ git show 4ec39cf
commit 4ec39cfb8c4259a447fbbdd17de5260144bbeb5e (HEAD -> master)
Author: shruthi <shruthir1017@gmail.com>
Date: Fri Aug 2 13:50:25 2024 +0530

file5 created

diff --git a/file5 b/file5
new file mode 100644
index 00000000..e69de29
```

Git show - -stat (display latest commit details)

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/New folder/New folder (master)
$ git show --stat
commit 4ec39cfb8c4259a447fbbdd17de5260144bbeb5e (HEAD -> master)
Author: shruthi <shruthir1017@gmail.com>
Date: Fri Aug 2 13:50:25 2024 +0530
    file5 created

file5 | 0
1 file changed, 0 insertions(+), 0 deletions(-)
```

21) Git diff

Git diff --staged

(difference between working directory and staging area)

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)

§ git diff --staged
diff --git a/file2 b/file2
new file mode 100644
index 0000000..e69de29

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)

§ vi file2

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)

§ git add file2
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)

§ git diff

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)

§ git diff --git a/file2 b/file2
new file mode 100644
index 0000000..64fe046
--- /dev/null

+++ b/file2
@ -0.0 +1,2 @@
+ hello
+
```

Git diff <commit1> <commit2> <filename>

Changes between 2 commits for specific file

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git diff b214f88 e75c0de file2

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git diff b214f88 e75c0de file1
diff --git a/file1 b/file1
index e69de29..ce01362 100644
--- a/file1
+++ b/file1
@@ -0,0 +1 @@
+hello
```

Changes between 2 commits

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git log --oneline
43bba66 (HEAD -> master) file 2 created
e75code file1 updated
b214f88 file1 created

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git diff b214f88 43bba66
diff --git a/file1 b/file1
index e69de29..ce01362 100644
--- a/file1
+++ b/file1
@ -0,0 +1 @@
+hello
diff --git a/file2 b/file2
new file mode 100644
index 0000000.64fe046
--- /dev/null
+++ b/file2
@@ -0,0 +1,2 @@
+ hello
+
```

Git diff - -cashed

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ ls
file1 file2 file3 file4 file5

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git status
On branch master
Untracked files:
    (use "git add <file>..." to include in what will be committed)
        file5

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

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git add file5

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (master)
$ git diff --cached
diff --git a/file5 b/file5
new file mode 100644
index 00000000..e69de29
```

22) Git bisect

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (branch2)

§ git log --oneline
a5da2d6 (HEAD -> branch2, master) file5 updated
270bebe file 3 4 created
43bba66 file 2 created
e75code file1 updated
b214f88 file1 created

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (branch2)

§ git bisect start
status: waiting for both good and bad commits

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (branch2|BISECTING)

§ git bisect bad
status: waiting for good commit(s), bad commit known

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (branch2|BISECTING)

§ git bisect good 43bba66
Bisecting: 0 revisions left to test after this (roughly 0 steps)
[270bebee998beb2d875ce3d87daledb4be72a554] file 3 4 created
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project ((270bebe...)|BISECTING)

§ git bisect bad
270bebee998beb2d875ce3d87daledb4be72a554 is the first bad commit
commit 270bebee998beb2d875ce3d87daledb4be72a554 (HEAD)
Author: shruthi <shruthir1017@gmail.com>
Date: Fri Aug 2 14:15:17 2024 +0530

file 3 4 created

file3 | 0
file4 | 0
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file3
create mode 100644 file4

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project ((270bebe...)|BISECTING)
§ git bisect good
270bebee998beb2d875ce3d87daledb4be72a554 was both good and bad

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project ((270bebe...)|BISECTING)
§ git bisect reset
Previous HEAD position was 270bebe file 3 4 created
Switched to branch 'branch2'

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project (branch2)
§ |
```

23) Git clone

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder

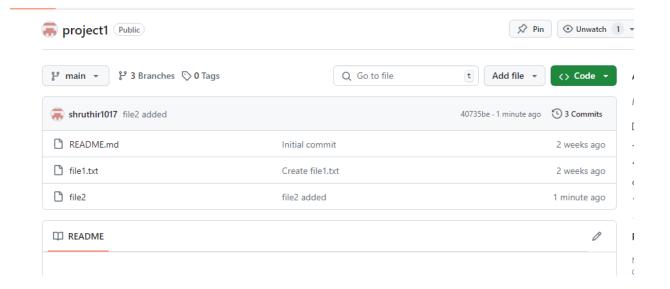
$ git clone git@github.com:shruthir1017/project1.git
Cloning into 'project1'...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (5/5), done.
Receiving objects: 100% (8/8), done.
remote: Total 8 (delta 0), reused 0 (delta 0), pack-reused 0

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder

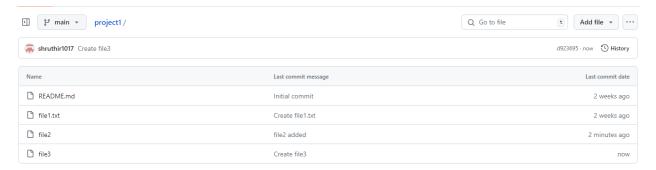
$ ls
project1/
```

24) Git push

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder
 $ 1s
 project1/
  Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder
 $ cd project1/
  Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main)
 README.md file1.txt
  Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main)
 $ vi file2
   Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main)
 $ git add file2
 warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main) $ git commit -m "file2 added"
 [main 40735be] file2 added
1 file changed, 2 insertions(+)
create mode 100644 file2
   Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main)
Signification of the state of t
            5e7bd3a..40735be main -> main
```



25) Git pull



```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main)
$ git pull
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), 914 bytes | 83.00 KiB/s, done.
From github.com:shruthir1017/project1
   40735be..d923695 main
                                -> origin/main
Updating 40735be..d923695
Fast-forward
 file3 | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 file3
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder/project1 (main)
$ 1s
README.md file1.txt file2 file3
```

Git remote add origin <url-repo>

To add new remote repo

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)
$ git init
Initialized empty Git repository in F:/devops class/New folder (3)/.git/
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote add origin git@github.com:shruthir1017/june-2024.git

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ ls

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote -v

origin git@github.com:shruthir1017/june-2024.git (fetch)
origin git@github.com:shruthir1017/june-2024.git (push)
```

Git remote show origin

To display details about remote repo

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)

$ git remote show origin

* remote origin

Fetch URL: git@github.com:shruthir1017/example.git

Push URL: git@github.com:shruthir1017/example.git

HEAD branch: main

Remote branch:

main new (next fetch will store in remotes/origin)
```

Git remotye add upstearm <repo-url>

To additional remotes

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote add upstream git@github.com:shruthir1017/disha.git

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote -v
origin git@github.com:shruthir1017/example.git (fetch)
origin git@github.com:shruthir1017/example.git (push)
upstream git@github.com:shruthir1017/disha.git (fetch)
upstream git@github.com:shruthir1017/disha.git (push)
```

Git remote remove origin

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote remove origin

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote -v
upstream git@github.com:shruthir1017/disha.git (fetch)
upstream git@github.com:shruthir1017/disha.git (push)
```

Git remote -v (display url of remote repo)

Git remote (list all remotes)

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)

$ git remote -v
origin git@github.com:shruthir1017/OPQ.git (fetch)
origin git@github.com:shruthir1017/OPQ.git (push)
upstream git@github.com:shruthir1017/disha.git (fetch)
upstream git@github.com:shruthir1017/disha.git (push)

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)

$ git remote
origin
upstream
```

Git remote rename origin <new name>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote rename origin abc

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote
abc
upstream
```

Git remote set-url origin <new-repo-url>

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote add origin git@github.com:shruthir1017/OPQ.git
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote add upstream git@github.com:shruthir1017/disha.git
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote -v
origin git@github.com:shruthir1017/OPQ.git (fetch)
origin git@github.com:shruthir1017/OPQ.git (push)
                git@github.com:shruthir1017/disha.git (fetch)
upstream
                git@github.com:shruthir1017/disha.git (push)
upstream
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ \( \cdot \)C
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote set-url origin git@github.com:shruthir1017/disha.git
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git remote -v
origin git@github.com:shruthir1017/disha.git (fetch)
origin git@github.com:shruthir1017/disha.git (push)
upstream git@github.com:shruthir1017/disha.git (fetch)
                git@github.com:shruthir1017/disha.git (push)
upstream
```

27) Git pull request

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ git clone git@github.com:shruthir1017/disha.git
Cloning into 'disha'...
remote: Enumerating objects: 19, done.
remote: Counting objects: 100% (19/19), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 19 (delta 2), reused 12 (delta 1), pack-reused 0 Receiving objects: 100% (19/19), done.
Resolving deltas: 100% (2/2), done.
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
disha/
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3) (master)
$ cd disha/
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (main)
$ 1s
README.md hello
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (main)
$ git checkout -b branch1
Switched to a new branch 'branch1'
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)
$ vi file1
```

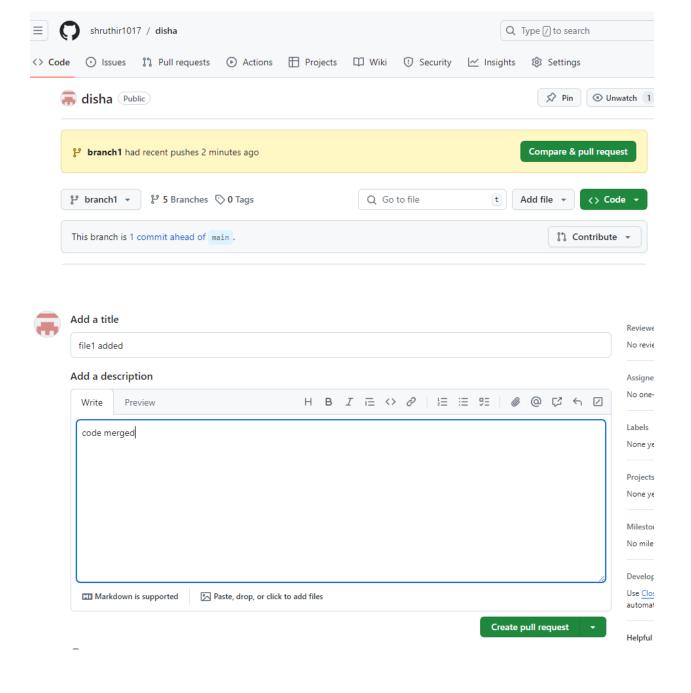
```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)

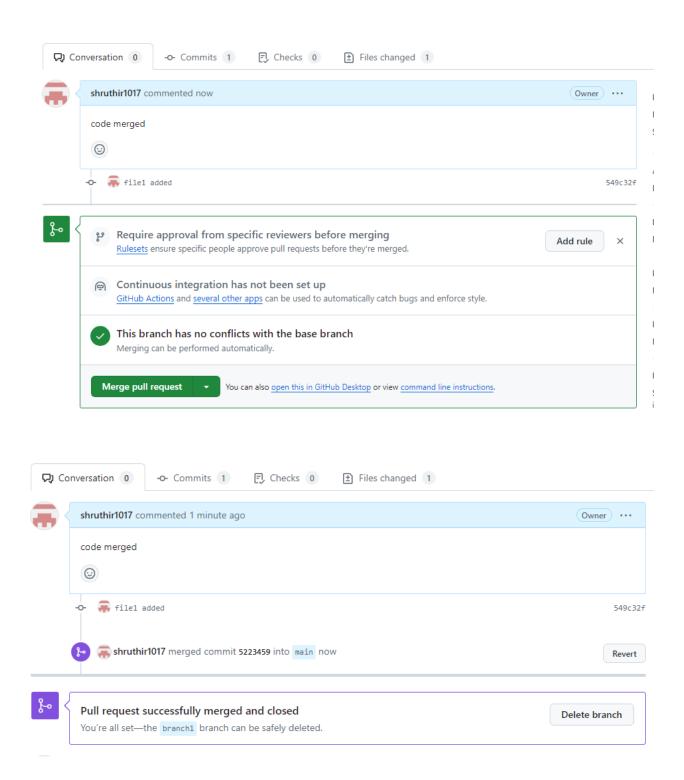
§ git add file1
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)

§ git commit -m "file1 added"
[branch1 549c32f] file1 added
1 file changed, 1 insertion(+)
create mode 100644 file1

Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)
§ git push origin branch1
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), 300 bytes | 100.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote: https://github.com/shruthir1017/disha/pull/new/branch1
remote:
To github.com:shruthir1017/disha.git
* [new branch] branch1 -> branch1
```





```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)
   git clone git@github.com:shruthir1017/project1.git
If clone git@github.com:shruthir101//project1.git
Cloning into 'project1'...
remote: Enumerating objects: 14, done.
remote: Counting objects: 100% (14/14), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 14 (delta 2), reused 2 (delta 0), pack-reused 0
Receiving objects: 100% (14/14), done.
Resolving deltas: 100% (2/2), done.
  Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)
README.md file1 hello project1/
  Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha (branch1)
$ cd project1/
 Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha/project1 (main)
README.md file1.txt file2 file3
  Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha/project1 (main)
$ git fetch origin
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), 908 bytes | 60.00 KiB/s, done.
From github.com:shruthir1017/project1
     d923695..2419472 main
                                                        -> origin/main
$ git branch -r
   origin/HEAD -> origin/main
origin/brach1
origin/branch2
origin/main
```

```
Shruthi@DESKTOP-3FATL5V MINGW64 /f/devops class/New folder (3)/disha/project1 (origin/branch1)

§ git push --set-upstream origin origin/branch1
Enumerating objects: 10, done.

Counting objects: 100% (10/10), done.

Delta compression using up to 4 threads

Compressing objects: 100% (4/4), done.

Writing objects: 100% (9/9), 1.97 KiB | 1.97 MiB/s, done.

Total 9 (delta 2), reused 9 (delta 2), pack-reused 0 (from 0)

remote: Resolving deltas: 100% (2/2), done.

remote: Create a pull request for 'origin/branch1' on GitHub by visiting:

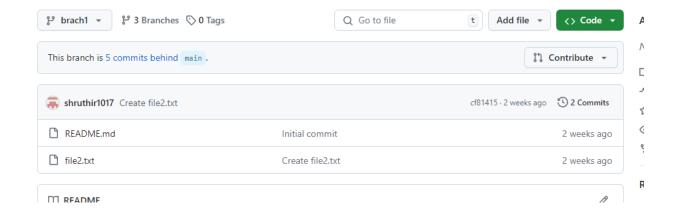
remote: https://github.com/shruthir1017/project1/pull/new/origin/branch1

remote:

To github.com:shruthir1017/project1.git

* [new branch] origin/branch1 -> origin/branch1'.
```

	2419472 · 2 minutes ago 🐧 History
Last commit message	Last commit date
Initial commit	2 weeks ago
Create file 4	2 minutes ago
Create file1.txt	2 weeks ago
file2 added	1 hour ago
Create file3	1 hour ago
	Initial commit Create file 4 Create file1.txt file2 added



Create file2.txt #2

