

GIT ASSIGNMENT

Submitted by:

Moulya K S

USN:4SF22CS113

Submitted to:

Dr.Suhas A Bhyratae

Assistant Professor

Department of Computer Science

```
mouly@Moulya MINGW64 ~
$ cd moulya

mouly@Moulya MINGW64 ~/moulya (feature-branch)
$ git clone "https://github.com/H-032/github-repo.git"
Cloning into 'github-repo'...
warning: You appear to have cloned an empty repository.
```

```
ouly@Moulya MINGW64 ~/moulya (master)
 mkdir rebasedemo
ouly@Moulya MINGW64 ~/moulya (master)
 cd rebasedemo
ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
 git init
Initialized empty Git repository in C:/Users/mouly/Moulya/rebasedemo/.git/
ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
 echo >test.txt
ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
git add test.txt
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it
ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
git commit -m "first commit"
[master (root-commit) 3b6ca6a] first commit
1 file changed, 1 insertion(+)
create mode 100644 test.txt
```

```
ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
git branch feature
  ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
echo>bru.txt
mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
$ git add bru.txt
warning: in the working copy of 'bru.txt', LF will be replaced by CRLF the next time Git touches it
 mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
git commit -m "second commit"
[master 0371c81] second commit
1 file changed, 1 insertion(+)
create mode 100644 bru.txt
mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
$ git add dha.txt
warning: in the working copy of 'dha.txt', LF will be replaced by CRLF the next time Git touches it
 mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
git commit -m "third commit"
[master fe79832] third commit
1 file changed, 1 insertion(+)
create mode 100644 dha.txt
 mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
git log --oneline
Fe79832 (HEAD -> master) third commit
J371c81 second commit
Bb6ca6a (feature) first commit
mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
$ git checkout feature
Switched to branch 'feature'
  ouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
git branch
   master
   ouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
echo>sha.txt
mouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
$ git add sha.txt
warning: in the working copy of 'sha.txt', LF will be replaced by CRLF the next time Git touches it
mouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)

$ git commit -m "first feature"

[feature c50f4f2] first feature

1 file changed, 1 insertion(+)

create mode 100644 sha.txt
 nouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
$ echo >sam.txt
 nouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
$ git add sam.txt
warning: in the working copy of 'sam.txt', LF will be replaced by CRLF the next time Git touches it
mouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
$ git commit -m "second feature"
[feature 50d042f] second feature
1 file changed, 1 insertion(+)
create mode 100644 sam.txt
 nouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
$ git log --oneline
50d042f (HEAD -> feature) second feature
c50f4f2 first feature
3b6ca6a first commit
mouly@Moulya MINGW64 ~/moulya/rebasedemo (feature)
$ git checkout master
Switched to branch 'master'
 nouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
mouryemourya minomou ~/mourya/rebased

$ git log --oneline

fe79832 (HEAD -> master) third commit

0371c81 second commit

3b6ca6a first commit
mouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
$ git rebase feature
Successfully rebased and updated refs/heads/master.
  ouly@Moulya MINGW64 ~/moulya/rebasedemo (master)
mouly@Moulya MINGW04 ~/moulya/rebasede

$ git log --oneline

dca2482 (HEAD -> master) third commit

b3e1091 second commit

50d042f (feature) second feature

c50f4f2 first feature

3b6ca6a first commit
```

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```
puly@Moulya MINGW64 ~/moulya/rebasedemo (master)
mkdir TagDemo
  ouly@Moulya MINGW64 ~/moulya/rebasedemo (master) cd TagDemo
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master) echo>test.txt
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
$ git add test.txt
warning: in the working copy of 'TagDemo/test.txt', LF will be replaced by CRLF the next time Git touches it
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
git commit -m "first commit:test.txt created"
master 804c292] first commit:test.txt created
1 file changed, 1 insertion(+)
create mode 100644 TagDemo/test.txt
  ouly@Moulya MINGW64 \sim/moulya/rebasedemo/TagDemo (master) git tag v1.0.0
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
 git tag
/1.0.0
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master) echo "My name is Moulya ">test.txt
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
type test.txt
ash: type: test.txt: not found
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
is git add test.txt
varning: in the working copy of 'TagDemo/test.txt', LF will be replaced by CRLF the next time Git touches it
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master
git commit -m "second commit:line is added inside file
master 95c6fca] second commit:line is added inside file
1 file changed, 1 insertion(+), 1 deletion(-)
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
git tag v2.0.0
   ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master) echo >>test.txt
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
echo "I love CAED">>test.txt
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
git add test.txt
arning: in the working copy of 'TagDemo/test.txt', LF will be replaced by CRLF the next time Git touches it
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
git commit -m "third commit:2nd line is added"
master 78ade29] third commit:2nd line is added
1 file changed, 2 insertions(+)
   ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
git tag v3.0.0
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
git tag
'1.0.0
'2.0.0
'3.0.0
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
5 git show v2.0.0
commit 95c6fca4072357686edb5bfff9a14aed8a0decea7 (tag: v2.0.0)
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:56:57 2024 +0530
        second commit:line is added inside file
diff --git a/TagDemo/test.txt b/TagDemo/test.txt
index 8b13789..1df3c67 100644
--- a/TagDemo/test.txt
+++ b/TagDemo/test.txt
### 1 1 1 00
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
$ git diff v1.0.0 v3.0.0
diff --git a/TagDemo/test.txt b/TagDemo/test.txt
index 8b13789..c7bdcfa 100644
--- a/TagDemo/test.txt
+++ b/TagDemo/test.txt
20 -1 +1.3 @@
+My name is Moulya
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
$ git log
commit 78ade296829e81dd22136646e60876811d4aa0fd (HEAD -> master, tag: v3.0.0)
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:59:13 2024 +0530
        third commit:2nd line is added
commit 95c6fca4072357686edb5bff9a14aed8a0decea7 (tag: v2.0.0)
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:56:57 2024 +0530
        second commit:line is added inside file
```

```
commit 804c2925d9c3a67bcb4ffc8ce87ceec1d9cbc4a1 (tag: v1.0.0)
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:53:27 2024 +0530
     first commit:test.txt created
commit dca248201cc7d640b712e7579324c67bc15c29d7
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:42:53 2024 +0530
     third commit
commit b3e1091d98b5002e535e99b90e58d2366d03161e
Author: moulya <ksmoulya33@gmail.com>
         Thu Jul 4 23:41:57 2024 +0530
Date:
     second commit
commit 50d042f29820430e0342ed11972b0cbdb577e89a (feature)
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:46:48 2024 +0530
     second feature
commit c50f4f2e7235d7268ccaaaedd6ac8031ef5c8632
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:45:21 2024 +0530
     first feature
commit 3b6ca6aee502fa92c1361359d8c32114c43eaae7
Author: moulya <ksmoulya33@gmail.com>
         Thu Jul 4 23:36:36 2024 +0530
Date:
     first commit
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo (master)
$ git checkout v2.0.0
Note: switching to 'v2.0.0'.
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 95c6fca second commit:line is added inside file
Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at 95c6fca second commit:line is added inside file
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo ((v2.0.0))
$ git tag -d v3.0.0
Deleted tag 'v3.0.0' (was 78ade29)
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo ((v2.0.0))
```

```
ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo ((v2.0.0))
mkdir cherrypick
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo ((v2.0.0)) cd cherrypick
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick ((v2.0.0))
5 git init
Enitialized empty Git repository in C:/Users/mouly/Moulya/rebasedemo/TagDemo/cherrypick/.git/
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
echo>evi.txt
 dir
vi.txt
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
git add evi.txt
arning: in the working copy of 'evi.txt', LF will be replaced by CRLF the next time Git touches it
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
git commit -m "evi.txt is added"
master (root-commit) 1506b48] evi.txt is added
1 file changed, 1 insertion(+)
create mode 100644 evi.txt
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
is git log
commit 1506b480b1cac35f7d11b1391fa7365cd4e7d6f4 (HEAD -> master)
withor: moulya <ksmoulya33@gmail.com>
Date: Fri Jul 5 00:09:27 2024 +0530
      evi.txt is added
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
$ git log --online
fatal: unrecognized argument: --online
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
git log --oneline
506b48 (HEAD -> master) evi.txt is added
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
git branch v1
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master) git branch v2
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
git branch v3
                       MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
   git branch
 nouly@Moulya MINGW64 ~/
5 git checkout v3
5witched to branch 'v3'
                                 W64 ~/moulya/rebasedemo/TagDemo/cherrypick (master)
   uly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
echo>test.txt
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
git add .
arning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it
 mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
git commit -m "test.txt file is created in v3"
[v3 6ealb33] test.txt file is created in v3
I file changed, 1 insertion(+)
create mode 100644 test.txt
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
$ echo>bugfix.txt
$ git add.' is not a git command. See 'git --help'.
The most similar command is add
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
$ git add .
warning: in the working copy of 'bugfix.txt', LF will be replaced by CRLF the next time Git touches it
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
git commit -m "bugfix.txtis created to fix bug"
v3 4f9ab45] bugfix.txtis created to fix bug
1 file changed, 1 insertion(+)
create mode 100644 bugfix.txt
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3)
git log --oneline
f9ab45 (HEAD -> v3) bugfix.txtis created to fix bug
eaalb33 test.txt file is created in v3
506b48 (v2, v1, master) evi.txt is added
 ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v3) git checkout v1 witched to branch 'v1'
  dir
vi.txt
```

```
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v1)

§ git cherry-pick a94fdb0'

mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v1)

§ git checkout v2

Switched to branch 'v2'

mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)

§ dir

evi.txt

mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)

§ git branch

master

v1

* v2

v3
```

```
ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
git branch
master
                                       /64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
 git log --oneline
506b48 (HEAD -> v2, v1, master) evi.txt is added
 mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
git show 8419ee9
fatal: ambiguous argument '8419ee9': unknown revision or path not in the working tree.
Jse'--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
 nouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
git log -n 1 8419ee9
atal: ambiguous argument '8419ee9': unknown revision or path not in the working tree.
see '--' to separate paths from revisions, like this:
git <command> [<revision>...] -- [<file>...]
 mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)

§ git show 96117fd

Fatal: ambiguous argument '96117fd': unknown revision or path not in the working tree.

Use '--' to separate paths from revisions, like this:

'git <command> [<revision>...] -- [<file>...]'
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/Tagpemo/cherrypick (v2)
 bugfix.txt
bash: bugfix.txt: command not found
 mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)

§ git show 1506b48

commit 1506b480b1cac35f7d11b1391fa7365cd4e7d6f4 (HEAD -> v2, v1, master)

Author: moulya <ksmoulya33@gmail.com>

Date: Fri Jul 5 00:09:27 2024 +0530
        evi.txt is added
diff --git a/evi.txt b/evi.txt
new file mode 100644
index 0000000..8b13789
 --- /dev/null
++ b/evi.txt
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
git log -n 1 1506b48
ommit 1506b480b1cac35f7d11b1391fa7365cd4e7d6f4 (HEAD -> v2, v1, master)
Author: moulya <ksmoulya33@gmail.com>
Date: Fri Jul 5 00:09:27 2024 +0530
        evi.txt is added
  ouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
git log --forward=%B -n 1 1506b48
atal: unrecognized argument: --forward=%B
```

```
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
$ git log --author="moulya" --since="2024-06-29" --until="2024-07-01"

mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
$ git log
commit 1506b480b1cac35f7d11b1391fa7365cd4e7d6f4 (HEAD -> v2, v1, master)
Author: moulya <ksmoulya33@gmail.com>
Date: Fri Jul 5 00:09:27 2024 +0530

evi.txt is added
```

```
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
$ cd "C:\Users\mouly\Moulya\rebasedemo"
mouly@Moulya MINGW64 ~/Moulya/rebasedemo ((v2.0.0))
$ git log -n 5
commit 95c6fca4072357686edb5bff9a14aed8a0decea7 (HEAD, tag: v2.0.0)
Author: moulya <ksmoulya33@gmail.com>
         Thu Jul 4 23:56:57 2024 +0530
Date:
     second commit:line is added inside file
commit 804c2925d9c3a67bcb4ffc8ce87ceec1d9cbc4a1 (tag: v1.0.0)
Author: moulya <ksmoulya33@gmail.com>
         Thu Jul 4 23:53:27 2024 +0530
Date:
     first commit:test.txt created
commit dca248201cc7d640b712e7579324c67bc15c29d7
Author: moulya <ksmoulya33@gmail.com>
         Thu Jul 4 23:42:53 2024 +0530
Date:
     third commit
commit b3e1091d98b5002e535e99b90e58d2366d03161e
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:41:57 2024 +0530
    second commit
commit 50d042f29820430e0342ed11972b0cbdb577e89a (feature)
Author: moulya <ksmoulya33@gmail.com>
Date: Thu Jul 4 23:46:48 2024 +0530
    second feature
mouly@Moulya MINGW64 ~/Moulya/rebasedemo ((v2.0.0))
$ git log -n 5 --oneline

95c6fca (HEAD, tag: v2.0.0) second commit:line is added inside file

804c292 (tag: v1.0.0) first commit:test.txt created

dca2482 third commit
b3e1091 second commit
50d042f (feature) second feature
```

```
mouly@Moulya MINGW64 ~/moulya (master)
$ cd cherrypick
bash: cd: cherrypick: No such file or directory
mouly@Moulya MINGW64 ~/moulya (master)
$ cd rebasedemo
mouly@Moulya MINGW64 ~/moulya/rebasedemo ((v2.0.0))
$ cd TagDemo
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo ((v2.0.0))
$ cd cherrypick
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
$ git log -n 5 --oneline
9e5a726 (HEAD -> v2) Revert "evi.txt is added" 1506b48 (v1, master) evi.txt is added
mouly@Moulya MINGW64 ~/moulya/rebasedemo/TagDemo/cherrypick (v2)
$ git revert 1506b48
On branch v2
nothing to commit, working tree clean
```