

GitHub: AI - Powered Development Platform (AEC)

Assignment - 2

Submitted by

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Activity-4 (Collaboration and Remote Repositories)

Q. Clone a remote Git repository to your local machine.

Step-1 To clone a remote Git repository to your local machine, you would typically use the git clone command followed by the URL of the repository you want to clone.

> git clone <repository_url>

Example:-git clone https://github.com/example/repository.git

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5

$ git clone git@github.com:sampathvenur/Github-July-5.git
Cloning into 'Github-July-5'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

Activity-5 (Collaboration and Remote Repositories)

- Q. Fetch the latest changes from a remote repository and rebase your local branch onto the updated remote branch.
- 1. Create directory "RebaseDemo" and go inside the folder

2. Initialize the directory to git repository

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

§ git init
Initialized empty Git repository in D:/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo/.git/

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

§
```

3. Create file test.txt and put to staging and then commit it.

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@Sampathkumar MINGw64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ echo>test.txt

ACER@Sampathkumar MINGw64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ git add test.txt

warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it

ACER@Sampathkumar MINGw64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ git commit -m "first commit: test.txt created"
[main (root-commit) 7004ba3] first commit: test.txt created
1 file changed, 1 insertion(+) create mode 100644 test.txt

ACER@Sampathkumar MINGw64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$
```

4. Create feature branch and check

5. Create one more file "sri.txt" in master branch and add to staging area and then commit it.

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ echo>sri.txt

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ git add .
warning: in the working copy of 'sri.txt', LF will be replaced by CRLF the next time Git touches it

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ git commit -m "second commit: sri.txt created"
[main bc7946e] second commit: sri.txt created
1 file changed, 1 insertion(+)
create mode 100644 sri.txt

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$
```

6. Create one more file "rose.txt" in master branch and add to staging area and then commit it.

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo  

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ echo>rose.txt

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ git add .
warning: in the working copy of 'rose.txt', LF will be replaced by CRLF the next time Git touches it

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ git commit -m "third commit: rose.txt created"
[main 927252c] third commit: rose.txt created
1 file changed, 1 insertion(+)
create mode 100644 rose.txt

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)
$ \bildet$
```

7. Check all the commits git

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

§ git log --oneline
927252c (HEAD -> main) third commit: rose.txt created
bc7946e second commit: sri.txt created
7004ba3 (feature) first commit: test.txt created

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

§
```

8. Switch to feature branch

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

$ git checkout feature
Switched to branch 'feature'

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (feature)

$
```

9. Create file in feature branch "ram.txt" and add to staging area and then commit it.

```
X
 MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (feature)
$ git branch
  feature
  main
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
Demo (feature)
$ echo>ram.txt
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
Demo (feature)
$ git add
warning: in the working copy of 'ram.txt', LF will be replaced by CRLF the next
time Git touches it
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (feature)
$ git commit -m "feature first commit:ram.txt created"
[feature 330a232] feature first commit:ram.txt created 1 file changed, 1 insertion(+)
 create mode 100644 ram.txt
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 Demo (feature)
10. Create one more file "sita.txt" in feature branch and add to staging area and then commit it.
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (feature)
$ echo>sita.txt
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (feature)
$ git add .
warning: in the working copy of 'sita.txt', LF will be replaced by CRLF the next
time Git touches it
CER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
emo (feature)
 git commit -m "feature second commit: sita.txt created"
feature 19604ca] feature second commit: sita.txt created
1 file changed, 1 insertion(+) create mode 100644 sita.txt
CER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
emo (feature)
$
```

11. Check the commits in feature branch

Rebase Process

12. Checkout to master branch and use rebase command to move all feature branch commits to master branch.

```
X
 MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (feature)
 git checkout main
Switched to branch 'main'
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (main)
$ git log --oneline
927252c (HEAD -> main) third commit: rose.txt created
bc7946e second commit: sri.txt created
 '004ba3 first commit: test.txt created
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
Demo (main)
$ git rebase feature
Successfully rebased and updated refs/heads/main.
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
 emo (main)
$ git log --oneline
a3668db (HEAD -> main) third commit: rose.txt created
 546979 second commit: sri.txt created
19604ca (feature) feature second commit: sita.txt created 330a232 feature first commit:ram.txt created
 '004ba3 first commit: test.txt created
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase
Demo (main)
you can check the graphical format using git command
```

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/Rebase

Demo (main)

$ git log --oneline --graph

* a3668db (HEAD -> main) third commit: rose.txt created

* 6546979 second commit: sri.txt created

* 19604ca (feature) feature second commit: sita.txt created

* 330a232 feature first commit:ram.txt created

* 7004ba3 first commit: test.txt created
```

Activity-6 (Collaboration and Remote Repositories)

Q. Write the command to merge "feature-branch" into "master" while providing a custom commit message for the merge

To create a new branch named "feature-branch," switch to the "master" branch, and merge the "feature-branch" into "master" in Git.

- Step-1: Make sure you are in the "master" branch by switching to it.
- Step-2: Create a new branch named "feature-branch" and switch to it.
- Step-3: Make your changes in the "feature-branch" by adding, modifying, or deleting files as needed.
- Step-4. Stage and commit your changes in the "feature-branch".
- Step-5. Switch back to the "master" branch.

Step-6. Merge the "feature-branch" into the "master" branch.

This command will incorporate the changes from the "feature-branch" into the "master" branch.

Now, your changes from the "feature-branch" have been merged into the "master" branch.

Your project's history will reflect the changes made in both branches.

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

$ git checkout main
Already on 'main'

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/RebaseDemo (main)

$ git merge feature
Already up to date.
```

Activity-7 (Git Tags and Releases

Steps-1: create working directory/folder "Tagdemo" using command >mkdir TagDemo

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5 — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5 (main)

$ mkdir TagDemo
```

Step-2: go inside the working directory and initialize this directory as git repository using command >cd TagDemo

>git init

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5 (main)
$ cd TagDemo

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDem o (main)
$ git init
Initialized empty Git repository in D:/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDemo/.git/
```

Step-2: create file "test.txt" and put it to staging and then commit it using following command >echo>test.txt

>git add test.txt

>git commit -m "first commit: test.txt created"

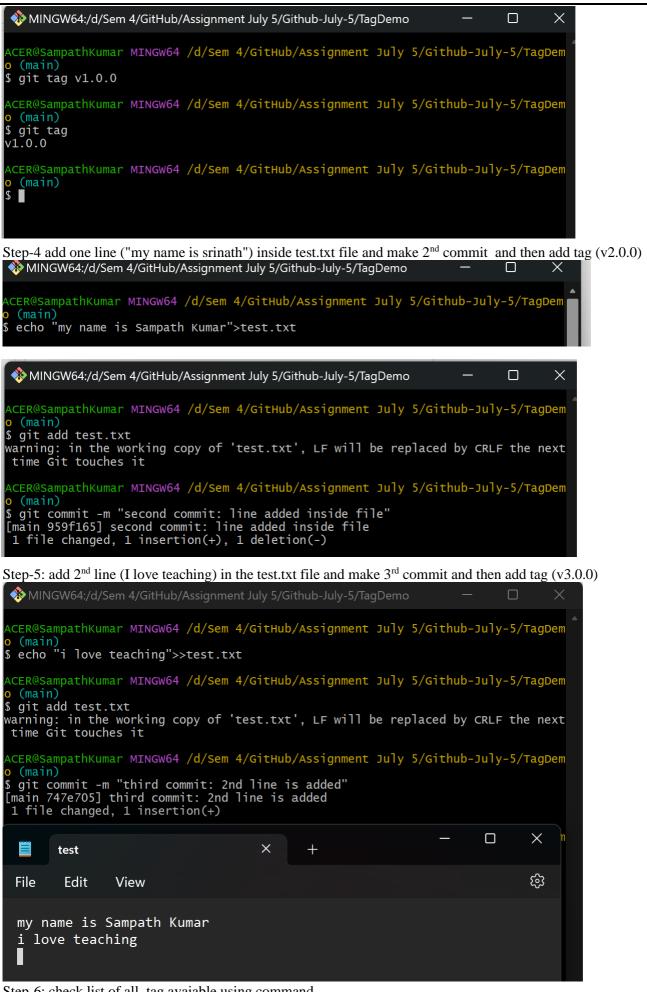
```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDemo — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDem o (main)
$ echo>test.txt

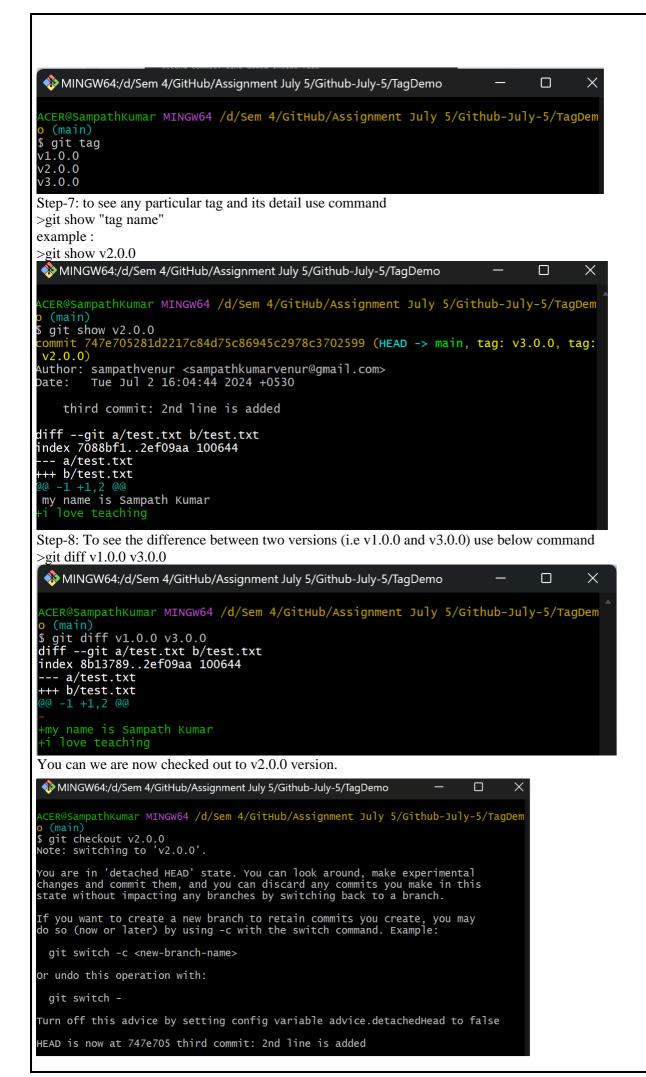
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDem o (main)
$ git add test.txt
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next time Git touches it

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/TagDem o (main)
$ git commit -m "first commit: test.txt created"
[main (root-commit) d735efc] first commit: test.txt created
1 file changed, 1 insertion(+) create mode 100644 test.txt
```

Step-3: now create the tag and check whether the tags are created using command >git tag v1.0.0



Step-6: check list of all tag avaiable using command >git tag



Activity-8 (Advanced Git Operations)

Q. Write the command to cherry-pick a range of commits from "source-branch" to the current branch. ("pick a commit from one branch and place in another branch" we use cherry-pick) Cherry pick is used if you want to apply particular commit from one branch into another branch Note: if you don't want to merge whole branch and you want some of the commits then cherry pick is helpful.

Cherry pick is same as rebase

Note: it is advised not to use cherry pick always, because it will cause duplicate commits

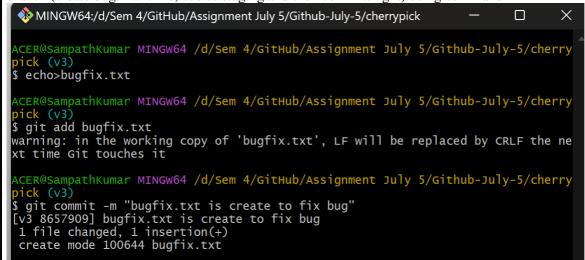
```
Steps-1: create new folder/project to demonstrate cherry pick
> mkdir cherrypick
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5
 CER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5 (main)
$ mkdir cherrypick
Step-2: go inside the folder cherrypick and initialize the git repository using the command
> cd cherrypick
> git init
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick
                                                                                  CER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5 (main)
$ cd cherrypick
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git init
Initialized empty Git repository in D:/Sem 4/GitHub/Assignment July 5/Github-Jul
y-5/cherrypick/.git/
Step-3: create a file "sri.txt" and add it to staging area then commit it using command
>echo > sri.txt
>git add sri.txt
>gir commit -m "sri.txt is added"
                                                                                  MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick
                                                                                          X
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ echo >sri.txt
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ dir
sri.txt
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git add sri.txt
warning: in the working copy of 'sri.txt', LF will be replaced by CRLF the next time Git touches it
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git commit -m "sri.txt is added"
[main (root-commit) d0133a1] sri.txt is added
1 file changed, 1 insertion(+)
create mode 100644 sri.txt
Step-4: check the git log for the commit msg using command
> git log
```

Or you can use shorthand command >git log -oneline

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick
 CER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git log
   mit d0133a19ad067c64038d5148cb9cc4b73edb7dbe (HEAD -> main)
Author: sampathvenur <sampathkumarvenur@gmail.com>
        Tue Jul 2 16:15:23 2024 +0530
    sri.txt is added
 CER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git log --oneline
d0133a1 (HEAD -> main) sri.txt is added
Step-5 create three versions of the project that is three branches called v1, v2 and v3 and check the branches create or not
using command
>git branch v1
>git branch v2
> git branch v3
Check
>git branch
                                                                              X
 MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git branch v1
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
 oick (main)
$ git branch v2
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git branch v3
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git branch
  main
  v1
  v2
  v3
Step-6 go to v3 branch and create a file "test.txt" and add it to staging and then commit it using command
>git checkout v3
                                                                               \Box
                                                                                      X
 MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (main)
$ git checkout v3
Switched to branch 'v3'
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
 ick (v3)
$ echo>test.txt
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
$ git add test.txt
warning: in the working copy of 'test.txt', LF will be replaced by CRLF the next
 time Git touches it
 ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
$ git commit -m "test.txt file is created in v3"
[v3 8b42b6c] test.txt file is created in v3
  1 file changed, 1 insertion(+)
```

create mode 100644 test.txt

Note: if there is a bug in the V3 then we need to fix the bug, so we simulate this bugfix by adding bugfix.txt file in this branch (create bugfix.txt file, add to staging and then committing it) using command



From below figure you can see bugfix is made only in v3 branch and hence and now we need appy this commit in v1 and v2 as well but don't want to merge this v2 bugfix in v1 and v2 because we are still working on it and not completed the fix fully. Hence in this scenario we go for cherry pick to copy the current entry into v2 and v1.

Step-1 copy the bug fix hash (i.e c057a7c see below figure) using Ctrl C command

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (v3)
$ git log --oneline
8657909 (HEAD -> v3) bugfix.txt is create to fix bug
8b42b6c test.txt file is created in v3
d0133a1 (v2, v1, main) sri.txt is added
```

Step-2: checkout from V3 branch to V1 and then use cherry pick command to apply the commit as show below > git checkout v1

>dir

Note: you see only one file (i.e sri.txt is available before cherry pick command is applied) After applying cherry-pick command you see both files (i.e sri.txt and bugfix.txt) >git cherry-pick

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v3)

S git checkout v1
Switched to branch 'v1'

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)

S dir Sri.txt

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)

S git cherry-pick 8657909

[v1 bd57909] bugfix.txt is create to fix bug Date: Tue Jul 2 16:21:05 2024 +0530

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

Activity-9 (Analysing and Changing Git History)

Q. Given a commit ID, how would you use Git to view the details of that specific commit, including the author, date, and commit message?

Step -1 : use git branch command to see which branch you are in > git branch

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick — X

ACER@SampathKumar MINGw64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)

$ git branch main

* v1
v2
v3

Step-2 check the log to get hash and commit message using following command
>git log—oneline

MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick — X
```

MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick —

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)

\$ git log --oneline bd57909 (HEAD -> v1) bugfix.txt is create to fix bug d0133a1 (v2, main) sri.txt is added

Step-3: To view the details of a specific commit, including the author, date, and commit message, you can use the git show command

>git show <commit_id>

Example: >git show 96117fd

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick — X

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)

$ git show bd57909
commit bd57909d95747fcaed0c549496166f0fd810742a (HEAD -> v1)
Author: sampathvenur <sampathkumarvenur@gmail.com>
Date: Tue Jul 2 16:21:05 2024 +0530

bugfix.txt is create to fix bug

diff --git a/bugfix.txt b/bugfix.txt
new file mode 100644
index 0000000..8b13789
--- /dev/null
+++ b/bugfix.txt
@@ -0,0 +1 @@
+
```

Note: if you want to see only author, date and commit message use the following command \$ git log -n 1 <commit-ID>

Example: git log -n

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick  

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)
$ git log -n 1 bd57909
commit bd57909d95747fcaed0c549496166f0fd810742a (HEAD → v1)
Author: sampathvenur <sampathkumarvenur@gmail.com>
Date: Tue Jul 2 16:21:05 2024 +0530
bugfix.txt is create to fix bug
```

Activity-10 (Analysing and Changing Git History)

Q. Write the command to list all commits made by the author "JohnDoe" between "2023-01-01" and "2023-12-31."

Step-1: To list all commits made by the author "JohnDoe" between "2023-01-01" and "2023-12-31," you can use the git log command with the --author and -since and -until option

```
> git log --author="JohnDoe" --since="2023-01-01" --until="2023-12-31"
```

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick — 

ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick (v1)

$ git log --author="SampathKumar" --since="2024-07-04" --until="2026-06-09"
```

Activity-11 (Analysing and Changing Git History)

Q. Write the command to display the last five commits in the repository's history.

To display the last five commits in the repository's history, you can use the git log command with the -n option to limit the number of commits displayed. Here's the command:

> git log -n 5

Note:- If you want a more condensed view, you can use the --oneline option to display each commit on a single line:

> git log -n 5 -oneline

```
MINGW64:/d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherrypick
                                                                             X
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
 oick (v1)
$ git log -n 5
               d95747fcaed0c549496166f0fd810742a (HEAD -> v1)
Author: sampathvenur <sampathkumarvenur@gmail.com>
        Tue Jul 2 16:21:05 2024 +0530
    bugfix.txt is create to fix bug
  mmit d0133a19ad067c64038d5148cb9cc4b73edb7dbe (v2, main)
Author: sampathvenur <sampathkumarvenur@gmail.com>
        Tue Jul 2 16:15:23 2024 +0530
Date:
    sri.txt is added
ACER@SampathKumar MINGW64 /d/Sem 4/GitHub/Assignment July 5/Github-July-5/cherry
pick (v1)
$ git log -n 5 --oneline
bd57909 (HEAD -> v1) bugfix.txt is create to fix bug
d0133a1 (v2, main) sri.txt is added
```

Activity-12 (Analysing and Changing Git History)

Q. Write the command to undo the changes introduced by the commit with the ID "abc123". To undo the changes introduced by a specific commit with the ID "abc123", you can use the "git revert" command. This command creates a new commit that undoes the changes made by the specified commit. >git revert abc123

Sometimes It shows message waiting editor to close

