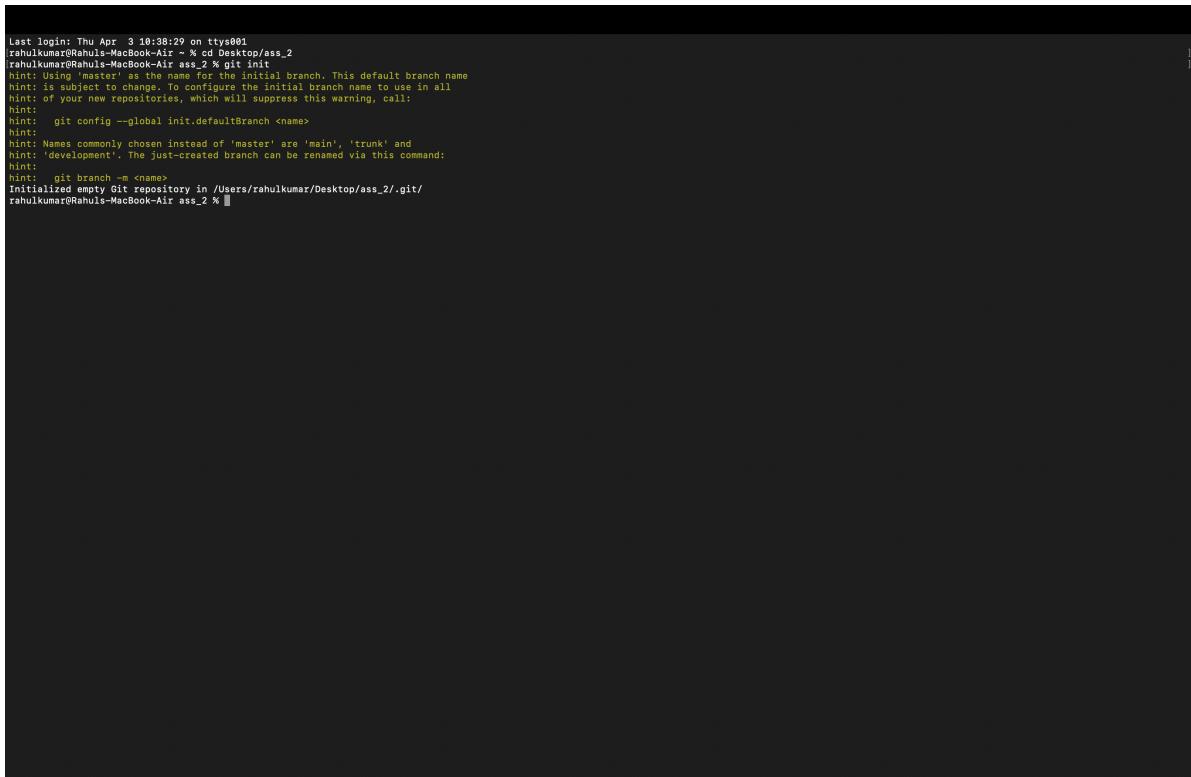


Assignment:-2

Version Control with Git - Initialize a new repository, simulate making changes to a project by adding text files, and commit those changes. Create a new branch, make further changes in this branch, and merge it back to the main branch, resolving a simulated merge conflict.

Solution:

- Open a terminal and navigate to your project directory
Cd Desktop/ass_2
- Initialize Git
git init



```
Last login: Thu Apr  3 19:38:29 on ttys001
rahulkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahulkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahulkumar/Desktop/ass_2/.git/
rahulkumar@Rahuls-MacBook-Air ass_2 %
```

- Check the status of the repository
git status
- Create a text file and add content
echo "This is the main branch" >> file.txt

```
Last login: Thu Apr  3 18:38:29 on ttys001
rahulkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahulkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahulkumar/Desktop/ass_2/.git/
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 %
```

- Add the file to Git
git add file.txt

```
Last login: Thu Apr  3 18:38:29 on ttys001
rahulkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahulkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahulkumar/Desktop/ass_2/.git/
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 %
```

- Commit the changes
git commit -m "Initial commit on main branch"

```
Last login: Thu Apr  3 10:38:29 on ttys001
rahlkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahlkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using "master" as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of "master" are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"
[master (root-commit) 59033eb] Initial commit : Added file.txt
 1 file changed, 1 insertion(+)
 create mode 100644 file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- Create and switch to a new branch named **feature-branch**

```
git checkout -b feature-branch
```

```
Last login: Thu Apr  3 10:38:29 on ttys001
rahlkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahlkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using "master" as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of "master" are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"
[master (root-commit) 59033eb] Initial commit : Added file.txt
 1 file changed, 1 insertion(+)
 create mode 100644 file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to a new branch 'feature-branch'
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- Modify `file.txt` in this branch

```
echo "Updated from the feature branch" >> file.txt
```

```
Last login: Thu Apr  3 10:38:29 on ttys001
rahlkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahlkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
  git config --global init.defaultBranch <name>
hint: 'git branch -m <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: 'git branch -m <name>
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"
[master (root-commit) 59833e8] Initial commit : Added file.txt
  1 file changed, 1 insertion(+)
  create mode 100644 file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to a new branch 'feature-branch'
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- Commit the changes in the new branch

```
git add file.txt
```

```
git commit -m "Updated file.txt in feature-branch"
```

```
Last login: Thu Apr  3 10:38:29 on ttys001
rahlkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahlkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint: 'git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: 'git branch -m <name>
hint: 'git config --global init.defaultBranch <name>
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"
[master (root-commit) 59833e8] Initial commit : Added file.txt
  1 file changed, 1 insertion(+)
  create mode 100644 file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to a new branch 'feature-branch'
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
git: 'commit' is not a git command. See 'git --help'.
The most similar command is
  commit
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m
error: switch '-m' expects a value
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
[feature-branch 42ca223] Feature branch updated
  1 file changed, 1 insertion(+)
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- Switch back to the main branch
git checkout master

```
Last login: Thu Apr  3 10:38:29 on ttys001
rahlkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahlkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "hello, Main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
[feature-branch 42ca223] Initial commit : Added file.txt
1 file changed, 1 insertion(+)
create mode 100644 file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to a new branch 'feature-branch'
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
git: commit' is not a git command. See 'git --help'.
The most similar command is
    commit
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
error: switch 'm' requires a value
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
[feature-branch 42ca223] Feature branch updated
1 file changed, 1 insertion(+)
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout master
Switched to branch 'master'
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- Modify `file.txt` again in the main branch
`echo "Updated from main branch" >> file.txt`

```
Last login: Thu Apr  3 10:38:29 on ttys001
rahlkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahlkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "hello, Main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
[feature-branch 42ca223] Initial commit : Added file.txt
1 file changed, 1 insertion(+)
create mode 100644 file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to a new branch 'feature-branch'
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
git: commit' is not a git command. See 'git --help'.
The most similar command is
    commit
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
error: switch 'm' requires a value
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
[feature-branch 42ca223] Feature branch updated
1 file changed, 1 insertion(+)
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout master
Switched to branch 'master'
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from main branch" >> file.txt
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

```
git add file.txt  
git commit -m "Main branch Updated"
```

```
Last login: Thu Apr  3 10:38:29 on ttys001  
rahlkumar@Rahuls-MacBook-Air: ~ % cd Desktop/ass_2  
rahlkumar@Rahuls-MacBook-Air ass_2 % git init  
hint: Using 'master' as the name for the initial branch. This default branch name  
hint: 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:  
hint:  
hint:   git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:   git branch -m <name>  
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/  
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "hello, Main branch" >> file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"  
[master (root-commit) 59833e8] Initial commit : Added file.txt  
 1 file changed, 1 insertion(+)  
  create mode 100644 file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch  
Switched to a new branch 'feature-branch'  
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"  
git: 'commit!' is not a git command. See 'git --help'.  
The most similar command is  
  commit  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m  
error: switch 'm' requires a value  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"  
[feature-branch 42ca223] Feature branch updated  
 1 file changed, 1 insertion(+)  
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout master  
Switched to branch 'master'  
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from main branch" >> file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Main branch Updated"  
[master dc4f743] Main branch Updated  
 1 file changed, 1 insertion(+)  
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- Merge the feature-branch into main
git merge feature-branch

```
Last login: Thu Apr  3 10:38:29 on ttys001  
rahlkumar@Rahuls-MacBook-Air: ~ % cd Desktop/ass_2  
rahlkumar@Rahuls-MacBook-Air ass_2 % git init  
hint: Using 'master' as the name for the initial branch. This default branch name  
hint: 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:  
hint:  
hint:   git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:   git branch -m <name>  
Initialized empty Git repository in /Users/rahlkumar/Desktop/ass_2/.git/  
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "hello, Main branch" >> file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"  
[master (root-commit) 59833e8] Initial commit : Added file.txt  
 1 file changed, 1 insertion(+)  
  create mode 100644 file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch  
Switched to a new branch 'feature-branch'  
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"  
git: 'commit!' is not a git command. See 'git --help'.  
The most similar command is  
  commit  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m  
error: switch 'm' requires a value  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"  
[feature-branch 42ca223] Feature branch updated  
 1 file changed, 1 insertion(+)  
rahlkumar@Rahuls-MacBook-Air ass_2 % git checkout master  
Switched to branch 'master'  
rahlkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from main branch" >> file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git add file.txt  
rahlkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Main branch Updated"  
[master dc4f743] Main branch Updated  
 1 file changed, 1 insertion(+)  
rahlkumar@Rahuls-MacBook-Air ass_2 % git merge feature-branch  
Automatic merge failed; fix conflicts and then commit the result.  
rahlkumar@Rahuls-MacBook-Air ass_2 %
```

- After fixing `file.txt`, run:
`git commit -m "Resolved merge conflict and merge feature into main"`

```
Last login: Thu Apr 3 10:38:29 on ttys001
rahulkumar@Rahuls-MacBook-Air ~ % cd Desktop/ass_2
rahulkumar@Rahuls-MacBook-Air ass_2 % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: 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:
hint:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/rahulkumar/Desktop/ass_2/.git/
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"
[master (root-commit) 59033e8] Initial commit : Added file.txt
  1 file changed, 1 insertion(+)
create mode 100644 file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to branch 'feature-branch'
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
git: 'commit' is not a git command. See 'git --help'.
The most similar command is
  commit
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
error: switch 'm' requires a value
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
[feature-branch 42ca23] Feature branch updated
  1 file changed, 1 insertion(+)
rahulkumar@Rahuls-MacBook-Air ass_2 % git checkout master
Switched to branch 'master'
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from main branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Main branch Updated"
[master dc4ff43] Main branch Updated
  1 file changed, 1 insertion(+)
rahulkumar@Rahuls-MacBook-Air ass_2 % git merge feature-branch
Auto-merging file.txt
CONFLICT (content): Merge conflict in file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Resolved merge conflict and merge feature-branch into main"
[master 774cc20] Resolved merge conflict and merge feature-branch into main
rahulkumar@Rahuls-MacBook-Air ass_2 %
```

- Check the commit history
`git log`

```
hint: git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: git branch -m <name>
Initialized empty Git repository in /Users/rahulkumar/Desktop/ass_2/.git/
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Hello, Main branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Initial commit : Added file.txt"
[master (root-commit) 59033e8] Initial commit : Added file.txt
  1 file changed, 1 insertion(+)
create mode 100644 file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git checkout -b feature-branch
Switched to branch 'feature-branch'
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from feature branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
git: 'commit' is not a git command. See 'git --help'.
The most similar command is
  commit
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
error: switch 'm' requires a value
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Feature branch updated"
[feature-branch 42ca23] Feature branch updated
  1 file changed, 1 insertion(+)
rahulkumar@Rahuls-MacBook-Air ass_2 % git checkout master
Switched to branch 'master'
rahulkumar@Rahuls-MacBook-Air ass_2 % echo "Updated from main branch" >> file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git add file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Main branch Updated"
[master dc4ff43] Main branch Updated
  1 file changed, 1 insertion(+)
rahulkumar@Rahuls-MacBook-Air ass_2 % git merge feature-branch
Auto-merging file.txt
CONFLICT (content): Merge conflict in file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 % git commit -m "Resolved merge conflict and merge feature-branch into main"
[master 774cc20] Resolved merge conflict and merge feature-branch into main
rahulkumar@Rahuls-MacBook-Air ass_2 % git log
commit 774cc20edf8ea7525c52a02adee7010389435ab (HEAD -> master)
Merge: dc4ff43 42ca23
Author: Rahul Kumar <rahulprasad6598@gmail.com>
Date: Thu Apr 3 10:55:39 2025 +0530

  Resolved merge conflict and merge feature-branch into main

commit dc4ff432324dc8aeb9eb1b0e214cb96e6f9e7c (feature-branch)
Author: Rahul Kumar <rahulprasad6598@gmail.com>
Date: Thu Apr 3 10:50:54 2025 +0530

  Feature branch updated

commit 59033e8a681d6b9c4a9c7b898aa4a955c4cd6
Author: Rahul Kumar <rahulprasad6598@gmail.com>
Date: Thu Apr 3 10:47:12 2025 +0530

  Initial commit : Added file.txt
rahulkumar@Rahuls-MacBook-Air ass_2 %
```

Open `file.txt` in a text editor.

Look for conflict markers (`<<<<<`, `=====`, `>>>>>`). It will look like this:

file

hello,	Main	branch	
<code><<<<<</code>	HEAD		
Updated	from	main bra	nch
<code>=====</code>			
Updated	from	feature	branch
<code>>>>>></code>	feat	ure-branc	h