

SOURCE CODE MANAGEMENT

SLOT-L14,L15



NAME: Chethan K

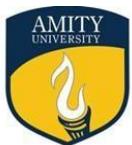
BRANCH: B-Tech CSE [2nd SEM]

Course Code: CSE2015

ENROLLMENT NUMBER: A86605224298

SUBMITTED TO: Dr. Monit Kapoor

TOPIC: Source Code Management Lab File



Amity School
Of Engineering
& Technology

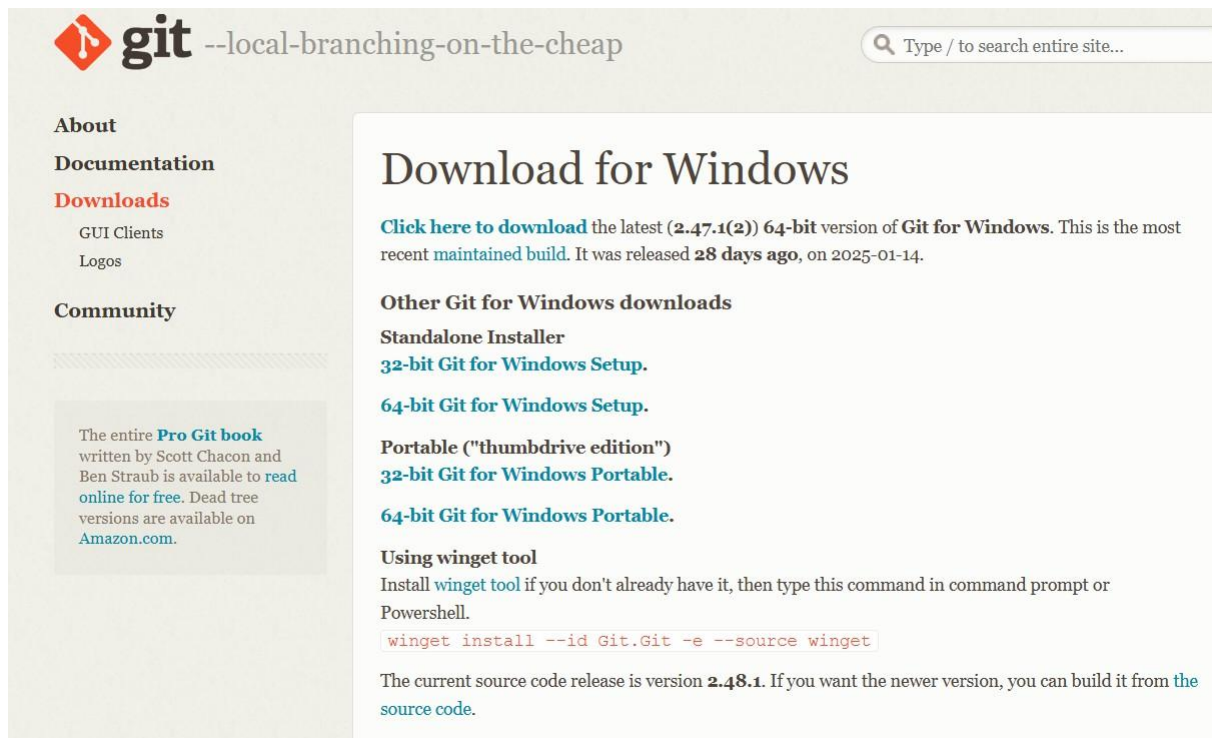
INDEX

S. No.	Lab Session Title	Page No.
1	Installing Git on Windows	3
2	Basic Commands	4
3	Git Commands	8
4	SCM Project (Creating and Managing Repositories)	12
5	Team Collaboration (Fork, Clone, Pull Request)	17

LAB PRACTICAL-01

1. Installing Git in Windows

Step 1: Visit section 1.5 of pro git document and navigate to Windows section



Step 2: Verify Git Installation:

```
Chethan@ADMIN MINGW64 ~
$ git --version
git version 2.49.0.windows.1
```

2. Basic Commands

1) Command: pwd

Description: Prints the directory the user is working in.

```
Chethan@ADMIN MINGW64 ~  
$ pwd  
/c/Users/Chethan
```

2) Command: ls

Description: Lists all files and directories in the current directory.

```
Chethan@ADMIN MINGW64 ~  
$ ls  
AppData/      Documents/  
'Application Data'@ Downloads/  
Contacts/    Favorites/  
Cookies@     Links/  
CrossDevice/ 'Local Settings'@  
Desktop/     Music/
```

3) Command: date

Description: shows the current date and time in a standard format

```
Chethan@ADMIN MINGW64 ~  
$ date  
Mon Jun  2 21:36:37 IST 2025
```

4) Command: clear

Description: The clearcommand in the CLI is used to clear all the current text and output displayed in the terminal window.

```
Chethan@ADMIN MINGW64 ~  
$ date  
Mon Jun  2 21:36:37 IST 2025  
  
Chethan@ADMIN MINGW64 ~  
$ time  
  
real    0m0.003s  
user    0m0.000s  
sys     0m0.000s  
  
Chethan@ADMIN MINGW64 ~  
$ |
```

```
Chethan@ADMIN MINGW64 ~  
$
```

5) Command: time

Description: The timecommand in the CLI is used to measure the execution time of a command or program.

```
Chethan@ADMIN MINGW64 ~  
$ time  
  
real    0m0.000s  
user    0m0.000s  
sys     0m0.000s
```

6) Command: cd 'Directory'

Description: Changes the current working directory to the desired directory.

```
adity@DESKTOP-71ENK80 MINGW64 ~  
$ cd Documents  
  
adity@DESKTOP-71ENK80 MINGW64 ~/Documents  
$ |
```

7) Command: cd ..

Description: Goes back to the previous directory.

```
Chethan@ADMIN MINGW64 ~  
$ cd downloads  
  
Chethan@ADMIN MINGW64 ~/downloads  
$ cd ..  
  
Chethan@ADMIN MINGW64 ~  
$
```

8) Command: mkdir

Description: To create a new directory.

```
Chethan@ADMIN MINGW64 /d/SCM  
$ mkdir test  
  
Chethan@ADMIN MINGW64 /d/SCM  
$ ls  
Health-Access-Portal/ test/
```

9) Command: rmdir

Description: To delete a directory

```
Chethan@ADMIN MINGW64 /d/SCM
$ mkdir test

Chethan@ADMIN MINGW64 /d/SCM
$ ls
Health-Access-Portal/  test/

Chethan@ADMIN MINGW64 /d/SCM
$ rmdir test

Chethan@ADMIN MINGW64 /d/SCM
$ ls
Health-Access-Portal/

Chethan@ADMIN MINGW64 /d/SCM
$
```

3. Git Commands

1. Command: `git --version`

Description: The `git --version` command is used to check the installed version of Git on your system.

```
Chethan@ADMIN MINGW64 ~  
$ git --version  
git version 2.49.0.windows.1
```

2. Command: `git init`

Description: Initializes a new Git repository in the current directory.

```
Chethan@ADMIN MINGW64 /d/SCM/test  
$ git init  
Initialized empty Git repository in D:/SCM/test/.git/  
  
Chethan@ADMIN MINGW64 /d/SCM/test (master)  
$
```

3. Command: `git status`

Description: Displays the current status of the working directory and staging area.

```
Chethan@ADMIN MINGW64 /d/SCM/SCM-project-Chethan (Sports-club-html)  
$ git status  
On branch Sports-club-html  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    SportsClub.html  
  
nothing added to commit but untracked files present (use "git add" to track)
```


4. Command: git add SportsClub.html

Description: Add Test.c to the staging area in preparation for a commit.

```
Chethan@ADMIN MINGW64 /d/SCM/SCM-project-Chethan (Sports-club-html)
$ git add SportsClub.html
warning: in the working copy of 'SportsClub.html', LF will be replaced by CRLF the next time Git touches it
```

5. Command: git commit -m "add file one"

Description: Commits the stage changes with the message "add file one".

```
Chethan@ADMIN MINGW64 /d/SCM/SCM-project-Chethan (master)
$ git commit -m "Initial commit"
[master (root-commit) 4d40b2c] Initial commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
```

6. Command: git log

Description: Display the commit history of the repository.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git log
commit 2b27fa1fc26626a6c47e19c8fb25e4974982a4e9 (HEAD -> master, origin/master)
Author: Chethan K <chethan.k@s.amity.edu>
Date: Sun Jun 1 22:20:52 2025 +0530

    Update README.md
```

7. Command: git clone

Description: To obtain a copy of an existing Git repository.

```
Chethan@ADMIN MINGW64 /d/Meena-dance-club
$ git clone https://github.com/CHETHAN-K-96/SCM-Project-Meena
Cloning into 'SCM-Project-Meena'...
remote: Enumerating objects: 41, done.
remote: Counting objects: 100% (41/41), done.
remote: Compressing objects: 100% (30/30), done.
remote: Total 41 (delta 15), reused 24 (delta 8), pack-reused 0 (from 0)
Receiving objects: 100% (41/41), 14.77 KiB | 581.00 KiB/s, done.
Resolving deltas: 100% (15/15), done.
```

8. Command: git log --oneline

Description: For generating shorter commit ID.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git log --oneline
2b27fa1 (HEAD -> master, origin/master) Update README.md
179d94f Merge branch 'master' of https://github.com/CHETHAN-K-96/SCM-Project-Chethan
eddfcd README.md file is updated
c111505 Merge pull request #3 from dhruti2206/dhruti
01db548 Merge pull request #2 from Meenaamruthachilla/chethan
```

9. Command: git remote add "Variable"

Description: To connect with the Users GitHub account.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git remote add origin https://github.com/CHETHAN-K-96/SCM-Project-Chethan
```

10. Command: git remote

Description: To check the status of the repositories connected with the Users account.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git remote -v
origin https://github.com/CHETHAN-K-96/SCM-Project-Chethan (fetch)
origin https://github.com/CHETHAN-K-96/SCM-Project-Chethan (push)
```

11. Command: git push -u "Variable" master

Description: To push all the files to the Users account.

```
Chethan@ADMIN MINGW64 /d/Rohith-music-club/Music-club-SCM (Chethan)
$ git push origin Chethan
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.49 KiB | 382.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'Chethan' on GitHub by visiting:
remote:   https://github.com/CHETHAN-K-96/Music-club-SCM/pull/new/Chethan
remote:
To https://github.com/CHETHAN-K-96/Music-club-SCM
 * [new branch]      Chethan -> Chethan
```

12. Command: git merge "File_Name" -m "comment"

Description: To merge a branch with main branch.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git merge Sports-club-html -m "merging the html branch"
Updating 04a8904..b8ef0fc
Fast-forward (no commit created; -m option ignored)
 SportsClub.html | 164 +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
 1 file changed, 164 insertions(+)
 create mode 100644 SportsClub.html
```

SCM Project

The project is to make a repository in GitHub, make 3 branches and merge it with the main branch and access all 4 team-mate's repositories, fork it, clone it, make some changes and merge them.

First, make your own repositories and make 3 branches and add files and merge with the main branch.

1) Go to the directory on your computer

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan
$ pwd
/d/SCM-Project-Chethan
```

2) Git init the folder

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan
$ git init
Initialized empty Git repository in D:/SCM-Project-Chethan/.git/
```

3) Make an initial commit as a README.md and commit it

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ echo "Initial commit" > README.md

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git commit -m "Initial commit"
[master (root-commit) 04a8904] Initial commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
```

4) Make three branches

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git branch Sports-club-html

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git branch Sports-club-css

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git branch Sports-club-js
```

5) Checkout to the first branch

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git checkout Sports-club-html
Switched to branch 'Sports-club-html'
```

6) Create a html file, add the file and commit it

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ vi SportsClub.html

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ git add SportsClub.html

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ git commit -m "nav is add to the html file"
[Sports-club-html 0fa4d0e] nav is add to the html file
1 file changed, 24 insertions(+)
create mode 100644 SportsClub.html
```

7) Reopen the file, make changes, add the file again and commit

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ vi SportsClub.html

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ git add SportsClub.html
warning: in the working copy of 'SportsClub.html', LF will be replaced by CRLF the next time Git touches it

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ git commit -m "remaining all the codes are add | html file is completed"
[Sports-club-html b8ef0fc] remaining all the codes are add | html file is completed
1 file changed, 140 insertions(+)
```


8) Checkout to the second branch, do the steps again for adding and committing a file 2 times.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-html)
$ git checkout Sports-club-css
Switched to branch 'Sports-club-css'

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ vi SportsClub.css

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ git add SportsClub.css
warning: in the working copy of 'SportsClub.css', LF will be replaced by CRLF the next time Git touches it

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ git commit -m "till section code is add to the css file"
[Sports-club-css f893014] till section code is add to the css file
1 file changed, 104 insertions(+)
create mode 100644 SportsClub.css

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ vi SportsClub.css

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ git add SportsClub.css
warning: in the working copy of 'SportsClub.css', LF will be replaced by CRLF the next time Git touches it

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ git commit -m "remaining all codes are added | css file is completed"
[Sports-club-css 3e709ba] remaining all codes are added | css file is completed
1 file changed, 297 insertions(+)
```

9) Checkout to the third branch, do the steps again for adding and committing a file 2 times.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git branch
Sports-club-css
Sports-club-html
Sports-club-js
* master
```

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-css)
$ git checkout Sports-club-js
Switched to branch 'Sports-club-js'

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ vi SportsClub.js
```

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ git add SportsClub.js
warning: in the working copy of 'SportsClub.js', LF will be replaced by CRLF the next time Git touches it

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ git commit -m "javascript is added"
[Sports-club-js 85019c6] javascript is added
1 file changed, 17 insertions(+)
create mode 100644 SportsClub.js

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ vi SportsClub.js

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ git add SportsClub.js
warning: in the working copy of 'SportsClub.js', LF will be replaced by CRLF the next time Git touches it

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ git commit -m "animation is added | javascript file is completed"
[Sports-club-js 59004c9] animation is added | javascript file is completed
1 file changed, 22 insertions(+)
```

10) Checking out to the master branch

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (Sports-club-js)
$ git checkout master
Switched to branch 'master'
```

11) Merging the first branch (SportsClub.html) to the master branch

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git merge Sports-club-html -m "merging the html branch"
Updating 04a8904..b8ef0fc
Fast-forward (no commit created; -m option ignored)
 SportsClub.html | 164 +++++++++++++++++++++++++++++++++++++
 1 file changed, 164 insertions(+)
 create mode 100644 SportsClub.html
```

12) Same way merging the rest 2 branches with the master branch as well

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git merge Sports-club-css -m "merging the css branch"
Merge made by the 'ort' strategy.
 SportsClub.css | 401 +++++++++++++++++++++++++++++++++++++
 1 file changed, 401 insertions(+)
 create mode 100644 SportsClub.css
```

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git merge Sports-club-js -m "merging the js branch"
Merge made by the 'ort' strategy.
 SportsClub.js | 39 +++++++++++++++++++++++++++++++++++++
 1 file changed, 39 insertions(+)
 create mode 100644 SportsClub.js
```

13) Using “git log –oneline” to check all the commits

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git log --oneline
bcfd000 (HEAD -> master) merging the js branch
3c3178e merging the css branch
59004c9 (Sports-club-js) animation is added | javascript file is completed
85019c6 javascript is added
3e709ba (Sports-club-css) remaining all codes are added | css file is completed
f893014 till section code is add to the css file
b8ef0fc (Sports-club-html) remaining all the codes are add | html file is completed
0fa4d0e nav is add to the html file
04a8904 Initial commit
```

14) Using git remote to add GitHub repository

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git remote add origin https://github.com/CHETHAN-K-96/SCM-Project-Chethan

Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git remote -v
origin https://github.com/CHETHAN-K-96/SCM-Project-Chethan (fetch)
origin https://github.com/CHETHAN-K-96/SCM-Project-Chethan (push)
```

15) Pushing all the commits and file in the GitHub repository

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Chethan (master)
$ git push origin --all
Enumerating objects: 25, done.
Counting objects: 100% (25/25), done.
Delta compression using up to 12 threads
Compressing objects: 100% (23/23), done.
Writing objects: 100% (25/25), 7.02 KiB | 1.00 MiB/s, done.
Total 25 (delta 8), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (8/8), done.
To https://github.com/CHETHAN-K-96/SCM-Project-Chethan
* [new branch] Sports-club-css -> Sports-club-css
* [new branch] Sports-club-html -> Sports-club-html
* [new branch] Sports-club-js -> Sports-club-js
* [new branch] master -> master
```


**(Now we will clone the repository of the rest of my Team Members, make some changes in their repositories, and send pull requests.)*

- Rohith M

1) Go back to the folder where you want to save the folder

```
Chethan@ADMIN MINGW64 /d
$ mkdir Rohith-music-club

Chethan@ADMIN MINGW64 /d
$ ls
'$RECYCLE.BIN'/   Data/   'My Profile'

Chethan@ADMIN MINGW64 /d
$ cd Rohith-music-club
```

2) Clone the forked repository

```
Chethan@ADMIN MINGW64 /d/Rohith-music-club
$ git clone https://github.com/CHETHAN-K-96/Music-club-SCM
Cloning into 'Music-club-SCM'...
remote: Enumerating objects: 25, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 25 (delta 7), reused 25 (delta 7), pack-reused 0 (from 0)
Receiving objects: 100% (25/25), 8.23 KiB | 383.00 KiB/s, done.
Resolving deltas: 100% (7/7), done.
```

3) Go to the cloned repository

```
Chethan@ADMIN MINGW64 /d/Rohith-music-club
$ cd Music-club-SCM
```

4) Create a new branch and checkout to it

```
Chethan@ADMIN MINGW64 /d/Rohith-music-club/Music-club-SCM (master)
$ git checkout -b Chethan
Switched to a new branch 'Chethan'
```

- 5) Make some changes in the repository. | Add the edited files. | Commit the files. | Push it to the Forked Repository for pull request.

```
Chethan@ADMIN MINGW64 /d/Rohith-music-club/Music-club-SCM (Chethan)
$ vi musicclub.html

Chethan@ADMIN MINGW64 /d/Rohith-music-club/Music-club-SCM (Chethan)
$ git add musicclub.html

Chethan@ADMIN MINGW64 /d/Rohith-music-club/Music-club-SCM (Chethan)
$ git commit -m "Contribution by Chethan | html file is developed"
[Chethan 0fddc30] Contribution by Chethan | html file is developed
1 file changed, 85 insertions(+), 253 deletions(-)

Chethan@ADMIN MINGW64 /d/Rohith-music-club/Music-club-SCM (Chethan)
$ git push origin Chethan
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.49 KiB | 382.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'Chethan' on GitHub by visiting:
remote:   https://github.com/CHETHAN-K-96/Music-club-SCM/pull/new/Chethan
remote:
To https://github.com/CHETHAN-K-96/Music-club-SCM
 * [new branch]      Chethan -> Chethan
```

- Bhargav Naidu

1) Go back to the folder where you want to save the folder

```
Chethan@ADMIN MINGW64 /d
$ mkdir Bhargav-home-page
```

2) Clone the Forked repository

```
Chethan@ADMIN MINGW64 /d/Bhargav-home-page
$ git clone https://github.com/CHETHAN-K-96/SCM-Project-Bhargav
Cloning into 'SCM-Project-Bhargav'...
remote: Enumerating objects: 17, done.
remote: Counting objects: 100% (17/17), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 17 (delta 4), reused 17 (delta 4), pack-reused 0 (from 0)
Receiving objects: 100% (17/17), 5.49 KiB | 432.00 KiB/s, done.
Resolving deltas: 100% (4/4), done.
```

3) Go to the cloned repository.

```
Chethan@ADMIN MINGW64 /d/Bhargav-home-page
$ cd SCM-Project-Bhargav
```

4) Create a new branch and checkout to it.

```
Chethan@ADMIN MINGW64 /d/Bhargav-home-page/SCM-Project-Bhargav (master)
$ git checkout -b Chethan
Switched to a new branch 'Chethan'
```

- 5) Make some changes in the repository. | Add the edited files. | Commit the files. | Push it to the Forked Repository for pull request.

```
Chethan@ADMIN MINGW64 /d/Bhargav-home-page/SCM-Project-Bhargav (Chethan)
$ vi index.html

Chethan@ADMIN MINGW64 /d/Bhargav-home-page/SCM-Project-Bhargav (Chethan)
$ git add .

Chethan@ADMIN MINGW64 /d/Bhargav-home-page/SCM-Project-Bhargav (Chethan)
$ git commit -m "contribution by chethan | hyperlinks sportsclubs page to the home page"
[Chethan acb2b42] contribution by chethan | hyperlinks sportsclubs page to the home page
1 file changed, 1 insertion(+), 1 deletion(-)

Chethan@ADMIN MINGW64 /d/Bhargav-home-page/SCM-Project-Bhargav (Chethan)
$ git push origin Chethan
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 481 bytes | 120.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'Chethan' on GitHub by visiting:
remote:   https://github.com/CHETHAN-K-96/SCM-Project-Bhargav/pull/new/Chethan
remote:
To https://github.com/CHETHAN-K-96/SCM-Project-Bhargav
 * [new branch]      Chethan -> Chethan
```

- Dhruvi

1) Go back to the folder where you want to save the folder

```
Chethan@ADMIN MINGW64 /d
$ mkdir SCM-Project-Druthi
```

2) Clone the Forked Repository.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi
$ git clone https://github.com/CHETHAN-K-96/SCM-Project-Druthi
Cloning into 'SCM-Project-Druthi'...
remote: Enumerating objects: 27, done.
remote: Counting objects: 100% (27/27), done.
remote: Compressing objects: 100% (19/19), done.
remote: Total 27 (delta 9), reused 18 (delta 6), pack-reused 0 (from 0)
Receiving objects: 100% (27/27), 11.87 KiB | 868.00 KiB/s, done.
Resolving deltas: 100% (9/9), done.
```

3) Go to the cloned repository.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi
$ cd SCM-Project-Druthi
```

4) Create a branch and checkout to it.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (main)
$ git checkout -b Chethan
Switched to a new branch 'Chethan'
```

- 5) Make some changes in the repository. | Add the edited files. | Commit the files. | Push it to the Forked Repository for pull request.

```
Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ vi tech.html

Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ git add .

Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ git commit -m "contribution by Chethan | i hve add dark theme,heading,and add a git hub profile option in the footer"
[Chethan 806f412] contribution by Chethan | i hve add dark theme,heading,and add a git hub profile option in the footer
1 file changed, 70 insertions(+), 292 deletions(-)

Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ vi tech-club.css

Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ git add .

Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ git commit -m "contribution by chethan | dark theme is added to css file"
[Chethan 5322d68] contribution by chethan | dark theme is added to css file
1 file changed, 42 insertions(+)

Chethan@ADMIN MINGW64 /d/SCM-Project-Druthi/SCM-Project-Druthi (Chethan)
$ git push origin Chethan
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 1.82 KiB | 621.00 KiB/s, done.
Total 6 (delta 3), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
remote:
remote: Create a pull request for 'Chethan' on GitHub by visiting:
remote:   https://github.com/CHETHAN-K-96/SCM-Project-Druthi/pull/new/Chethan
remote:
To https://github.com/CHETHAN-K-96/SCM-Project-Druthi
 * [new branch]      Chethan -> Chethan
```

- Meenaamrutha

1) Go back to the folder where you want to save the folder

```
Chethan@ADMIN MINGW64 /d
$ mkdir Meena-dance-club
```

2) Clone the Forked Repository.

```
Chethan@ADMIN MINGW64 /d/Meena-dance-club
$ git clone https://github.com/CHETHAN-K-96/SCM-Project-Meena
Cloning into 'SCM-Project-Meena'...
remote: Enumerating objects: 41, done.
remote: Counting objects: 100% (41/41), done.
remote: Compressing objects: 100% (30/30), done.
remote: Total 41 (delta 15), reused 24 (delta 8), pack-reused 0 (from 0)
Receiving objects: 100% (41/41), 14.77 KiB | 581.00 KiB/s, done.
Resolving deltas: 100% (15/15), done.
```

3) Go to the cloned repository.

```
Chethan@ADMIN MINGW64 /d/Meena-dance-club
$ cd SCM-Project-Meena
```

4) Create a branch and checkout to it.

```
Chethan@ADMIN MINGW64 /d/Meena-dance-club/SCM-Project-Meena (master)
$ git checkout -b Chethan
Switched to a new branch 'Chethan'
```


- 5) Make some changes in the repository. | Add the edited files. | Commit the files. | Push it to the Forked Repository for pull request.

```
$ vi danceclub.html

Chethan@ADMIN MINGW64 /d/Meena-dance-club/SCM-Project-Meena (Chethan)
$ git status
On branch Chethan
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   danceclub.html

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

Chethan@ADMIN MINGW64 /d/Meena-dance-club/SCM-Project-Meena (Chethan)
$ git add .

Chethan@ADMIN MINGW64 /d/Meena-dance-club/SCM-Project-Meena (Chethan)
$ git commit -m "contribution by Chethan | Some errors were rectified and resolved"
[Chethan 0a34fc7] contribution by Chethan | Some errors were rectified and resolved
1 file changed, 4 insertions(+), 4 deletions(-)

Chethan@ADMIN MINGW64 /d/Meena-dance-club/SCM-Project-Meena (Chethan)
$ git push origin Chethan
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 409 bytes | 409.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'Chethan' on GitHub by visiting:
remote:   https://github.com/CHETHAN-K-96/SCM-Project-Meena/pull/new/Chethan
remote:
To https://github.com/CHETHAN-K-96/SCM-Project-Meena
 * [new branch]      Chethan -> Chethan
```

Finally after all the changes made and pull requests we use “git pull” to sync all the changes in our local folder