sweta@SWETA-PC ~/repo (master)

$ mkdir sweta

sweta@SWETA-PC ~/repo (master)

$ cd sweta

**INITIALIZING A GIT REPOSITORY:**

sweta@SWETA-PC ~/repo/sweta (master)

$ git init

Initialized empty Git repository in c:/Users/sweta/repo/sweta/.git/

sweta@SWETA-PC ~/repo/sweta (master)

$ ls -a

. .. .git

**ADDING FILE TO A GIT REPOSITORY**

sweta@SWETA-PC ~/repo/sweta (master)

$ vi file1.txt

sweta@SWETA-PC ~/repo/sweta (master)

$ git add file1.txt

sweta@SWETA-PC ~/repo/sweta (master)

$ git status

On branch master

Initial commit

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: file1.txt

sweta@SWETA-PC ~/repo/sweta (master)

$ git config --global user.email "smartsweta.goel1@gmail.com"

sweta@SWETA-PC ~/repo/sweta (master)

$ git config --global user.email "swetagoel"

sweta@SWETA-PC ~/repo/sweta (master)

$ git commit -m "file1 added" file1.txt

[master (root-commit) 9afb4db] file1 added

1 file changed, 3 insertions(+)

create mode 100644 file1.txt

**COMMIT THE FILE:**

sweta@SWETA-PC ~/repo/sweta (master)

$ git commit -m "file1 added" file1.txt

[master (root-commit) 9afb4db] file1 added

1 file changed, 3 insertions(+)

create mode 100644 file1.txt

**ADDING MORE BRANCHES:**

sweta@SWETA-PC ~/repo/sweta (master)

$ git branch b1

sweta@SWETA-PC ~/repo/sweta (master)

$ git checkout b1

Switched to branch 'b1'

sweta@SWETA-PC ~/repo/sweta (b1)

$ vi file2.txt

sweta@SWETA-PC ~/repo/sweta (b1)

$ git add file2.txt

sweta@SWETA-PC ~/repo/sweta (b1)

$ git commit -m "file2 added" file2.txt

[b1 2697f53] file2 added

1 file changed, 1 insertion(+)

create mode 100644 file2.txt

sweta@SWETA-PC ~/repo/sweta (b1)

$ git checkout master

Switched to branch 'master'

sweta@SWETA-PC ~/repo/sweta (master)

$ git branch b2

sweta@SWETA-PC ~/repo/sweta (master)

$ git checkout b2

Switched to branch 'b2'

sweta@SWETA-PC ~/repo/sweta (b2)

$ vi file3.txt

sweta@SWETA-PC ~/repo/sweta (b2)

$ git add file3.txt

sweta@SWETA-PC ~/repo/sweta (b2)

$ git commit -m "file3 added" file3.txt

[b2 b339915] file3 added

1 file changed, 1 insertion(+)

create mode 100644 file3.txt

**MERGING BRANCH B2 WITH BRANCH B1**

sweta@SWETA-PC ~/repo/sweta (b2)

$ ls

file1.txt file3.txt

sweta@SWETA-PC ~/repo/sweta (b2)

$ git checkout b1

Switched to branch 'b1'

sweta@SWETA-PC ~/repo/sweta (b1)

$ ls

file1.txt file2.txt

sweta@SWETA-PC ~/repo/sweta (b1)

$ git merge b2

Merge made by the 'recursive' str

file3.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 file3.txt

sweta@SWETA-PC ~/repo/sweta (b1)

$ ls

file1.txt file2.txt file3.txt

**UNDO CHANGES TO A FILE:**

sweta@SWETA-PC ~/repo/sweta (b1)

$ cat file1.txt

helloo!!!!

this is file 1

sweta@SWETA-PC ~/repo/sweta (b1)

$ vi file1.txt

sweta@SWETA-PC ~/repo/sweta (b1)

$ cat file1.txt

helloo!!!!

how are you??

????

?

this is file 1

**PUSHING FILES ON REMOTE REPOSITORY:**

sweta@SWETA-PC ~/repo/sweta (b1)

$ git remote add origin https://github.com/swetagoel/repo1.git

sweta@SWETA-PC ~/repo/sweta (b1)

$ git push -u origin master

Counting objects: 3, done.

Writing objects: 100% (3/3), 226 bytes | 0 bytes/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/swetagoel/repo1.git

\* [new branch] master -> master

Branch master set up to track remote branch master from origin.

**CLONING THE REPOSITORY:**

**PULLING THE FILES FROM THE REPOSITORY:**

sweta@SWETA-PC ~/repo/sweta (b2)

$ git pull origin b1

From https://github.com/swetagoel/repo1

\* branch b1 -> FETCH\_HEAD

Updating b339915..02f62bf

Fast-forward

file2.txt | 1 +

1 file changed, 1 insertion(+)

create mode 100644 file2.txt

**MERGE CONFLICT**

sweta@SWETA-PC ~/repo/sweta (b2)

$ git checkout master

A extra.txt

A extra2.txt

M file1.txt

Switched to branch 'master'

Your branch is up-to-date with 'origin/master'.

sweta@SWETA-PC ~/repo/sweta (master)

$ git branch b4

sweta@SWETA-PC ~/repo/sweta (master)

$ git checkout b4

A extra.txt

A extra2.txt

M file1.txt

Switched to branch 'b4'

sweta@SWETA-PC ~/repo/sweta (b4)

$ vi samefile.txt

sweta@SWETA-PC ~/repo/sweta (b4)

$ cat samefile.txt

hello

how are you

??

?

sweta@SWETA-PC ~/repo/sweta (b4)

$ git add samefile.txt

sweta@SWETA-PC ~/repo/sweta (b4)

$ git commit -m"same file added" samefile.txt

[b4 967dcfc] same file added

1 file changed, 5 insertions(+)

create mode 100644 samefile.txt

sweta@SWETA-PC ~/repo/sweta (b4)

$ git checkout master

A extra.txt

A extra2.txt

M file1.txt

Switched to branch 'master'

Your branch is up-to-date with 'origin/master'.

sweta@SWETA-PC ~/repo/sweta (master)

$ git branch b5

sweta@SWETA-PC ~/repo/sweta (master)

$ git checkout b5

Switched to branch 'b5'

sweta@SWETA-PC ~/repo/sweta (b5)

$ vi samefile.txt

sweta@SWETA-PC ~/repo/sweta (b5)

$ cat samefile.txt

hello

how are you

???

heee

sweta@SWETA-PC ~/repo/sweta (b5)

$ git add samefile.txt

sweta@SWETA-PC ~/repo/sweta (b5)

$ git commit -m"same file added" samefile.txt

[b5 14f1597] same file added

1 file changed, 5 insertions(+)

create mode 100644 samefile.txt

sweta@SWETA-PC ~/repo/sweta (b5)

$ git merge b4

error: Your local changes to the following files would be overwritten by merge

extra.txt

Please, commit your changes or stash them before you can merge.

Aborting

sweta@SWETA-PC ~/repo/sweta (b5)

$ git status

On branch b5

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: extra.txt

new file: extra2.txt

Changes not staged for commit:

(use "git add/rm <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

deleted: extra.txt

deleted: extra2.txt