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Week1 - Assignment 1

## 1. Basics of CLI

### a. Setup a Local Repository

```
PJP — zsh — 80x24
[ausmosian@Abhijeets-MacBook-Pro PJP % git init Week1
Initialized empty Git repository in /Users/ausmosian/PJP/Week1/.git/
ausmosian@Abhijeets-MacBook-Pro PJP % ]
```

### b. Setup a Remote Repository

The screenshot shows a GitHub repository named "Ausmosian / PJP". The repository has 1 branch (master) and 0 tags. The README.md file contains the text "Initial Commit". A commit titled "Ausmosian Initial Commit" was made 1 minute ago by user "Ausmosian". The commit message is "Initial Commit". The commit hash is 2f81828.

```
Week1 — zsh — 80x24
ausmosian@Abhijeets-MacBook-Pro PJP % git init Week1
Initialized empty Git repository in /Users/ausmosian/PJP/Week1/.git/
ausmosian@Abhijeets-MacBook-Pro PJP % git config --global user.name=Ausmosian
user.name=Ausmosian
ausmosian@Abhijeets-MacBook-Pro PJP % git config --global user.email=abhijeet.srivastava6499@gmail.com
ausmosian@Abhijeets-MacBook-Pro PJP % cd Week1
ausmosian@Abhijeets-MacBook-Pro Week1 % ls
ausmosian@Abhijeets-MacBook-Pro Week1 % subl README.md
ausmosian@Abhijeets-MacBook-Pro Week1 % git add .
ausmosian@Abhijeets-MacBook-Pro Week1 % git commit -m "Initial Commit"
[master (root-commit) 2f81828] Initial Commit
 1 file changed, 1 insertion(+)
 create mode 100644 README.md
ausmosian@Abhijeets-MacBook-Pro Week1 % git remote add origin https://github.com/Ausmosian/PJP.git
ausmosian@Abhijeets-MacBook-Pro Week1 % git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 252 bytes | 252.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Ausmosian/PJP.git
 * [new branch]      master -> master
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

Ausmosian / PJP

<> Code    ⚡ Issues    🏷 Pull requests

master    1 branch    0 tags    Go to file    Add file    Code

Ausmosian Initial Commit    2f81828 1 minute ago    1 commit

README.md    Initial Commit    1 minute ago

README.md

Assignment 1 - Github Basics

### c. Create Local Branches

```
Week1 — -zsh — 80x37
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout -b feature
Switched to a new branch 'feature'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout -b dev
Switched to a new branch 'dev'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout -b QA
Switched to a new branch 'QA'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout -b Prod
Switched to a new branch 'Prod'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout -b Delivery
Switched to a new branch 'Delivery'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Switched to branch 'master'
[ausmosian@Abhijeets-MacBook-Pro Week1 % ls
README.md
[ausmosian@Abhijeets-MacBook-Pro Week1 % subl README.md
[ausmosian@Abhijeets-MacBook-Pro Week1 % git status
On branch master
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
[ausmosian@Abhijeets-MacBook-Pro Week1 % git add .
[ausmosian@Abhijeets-MacBook-Pro Week1 % git commit -m "Local Branches"
[master 85a7e5f] Local Branches
  1 file changed, 6 insertions(+), 1 deletion(-)
[ausmosian@Abhijeets-MacBook-Pro Week1 % git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Ausmosian/PJP.git
  2f81828..85a7e5f  master -> master
[ausmosian@Abhijeets-MacBook-Pro Week1 % subl README.md]
```

### d. Create Remote Branches

```
Week1 — -zsh — 80x23
[ausmosian@Abhijeets-MacBook-Pro Week1 % git push origin dev
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'dev' on GitHub by visiting:
remote:   https://github.com/Ausmosian/PJP/pull/new/dev
remote:
To https://github.com/Ausmosian/PJP.git
 * [new branch]      dev -> dev
ausmosian@Abhijeets-MacBook-Pro Week1 %
```

## e. Add files/folders, make changes to files, remove files/folders

```

aussosian@Abhijects-MacBook-Pro Week1 % mkdir MyFolder
aussosian@Abhijects-MacBook-Pro Week1 % cd MyFolder
aussosian@Abhijects-MacBook-Pro Week1 % touch MyFile1
aussosian@Abhijects-MacBook-Pro Week1 % touch MyFile2
aussosian@Abhijects-MacBook-Pro Week1 % git status
On branch master
nothing to commit, working directory clean
aussosian@Abhijects-MacBook-Pro Week1 % git add .
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
nothing added to commit but untracked files present (use "git add" to track)

aussosian@Abhijects-MacBook-Pro Week1 % git commit -m "Added Folder/File"
[master 9d43f9e] Added Folder/File
 1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 MyFolder/MyFile1
aussosian@Abhijects-MacBook-Pro Week1 % git push origin master
Everything up-to-date
aussosian@Abhijects-MacBook-Pro Week1 % git add .
Counting objects: 100%, done.
Delta compression using up to 4 threads
Compressing objects: 100%, done.
Writing objects: 100% (5/5), 399 bytes | 399.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1) done.
To https://github.com/Ausmosian/PJP.git
  8b2f6c1..9d43f9e master -> master
aussosian@Abhijects-MacBook-Pro Week1 %

```

A GitHub repository page for 'Ausmosian / PJP' is shown. It has 2 branches (master, 2 branches) and 0 tags. The repository contains a folder named 'MyFolder' and a file named 'README.md'. Both were added 1 minute ago.

The README.md file content is:

```
Assignment 1 - Github Basics
```

```

aussosian@Abhijects-MacBook-Pro Week1 % git add .
no changes added to commit use "git add" and/or "git commit -a"
aussosian@Abhijects-MacBook-Pro Week1 % git add .
aussosian@Abhijects-MacBook-Pro Week1 % git commit -m "Added Folder/File"
[master 9d43f9e] Added Folder/File
 3 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 MyFolder/MyFile1
create mode 100644 MyFolder/MyFile2
aussosian@Abhijects-MacBook-Pro Week1 % git push origin master
Everything up-to-date
aussosian@Abhijects-MacBook-Pro Week1 % git add .
Counting objects: 100%, done.
Delta compression using up to 4 threads
Compressing objects: 100%, done.
Writing objects: 100% (5/5), 399 bytes | 399.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1) done.
To https://github.com/Ausmosian/PJP.git
  8b2f6c1..9d43f9e master -> master
aussosian@Abhijects-MacBook-Pro Week1 %

```

The GitHub repository page now shows a commit for 'Ausmosian Added Folder/File' with 5 commits. The 'MyFolder' folder was added 1 minute ago, and the 'README.md' file was added 1 minute ago.

The README.md file content is:

```
Assignment 1 - Github Basics
```

```

aussosian@Abhijects-MacBook-Pro Week1 % git add .
aussosian@Abhijects-MacBook-Pro Week1 % git commit -m "Edited MyFile2"
[master 8008a26] Edited MyFile2
 1 file changed, 1 insertion(+), 1 deletion(-)
aussosian@Abhijects-MacBook-Pro Week1 % git push origin master
Everything up-to-date
aussosian@Abhijects-MacBook-Pro Week1 % rm -r MyFolder
aussosian@Abhijects-MacBook-Pro Week1 % ls
MyFolder
aussosian@Abhijects-MacBook-Pro Week1 % git add .
aussosian@Abhijects-MacBook-Pro Week1 % git commit -m "Deleted MyFolder"
[master 28b57a9] Deleted MyFolder
 2 files changed, 4 insertions(+), 1 deletion(-)
create mode 100644 MyFolder/MyFile1
delete mode 100644 MyFolder/MyFile2
aussosian@Abhijects-MacBook-Pro Week1 % git push origin master
Enumerating objects: 3, done.
Counting objects: 100%, done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 394 bytes | 394.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3) done.
To https://github.com/Ausmosian/PJP.git
  8d43f9e..8008a26 master -> master
aussosian@Abhijects-MacBook-Pro Week1 %

```

The GitHub repository page now shows a commit for 'Ausmosian Deleted MyFolder' with 7 commits. The 'MyFolder' folder was deleted 15 seconds ago, and the 'README.md' file was added 5 minutes ago.

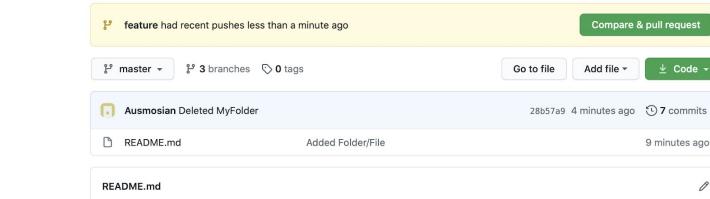
The README.md file content is:

```
Assignment 1 - Github Basics
```

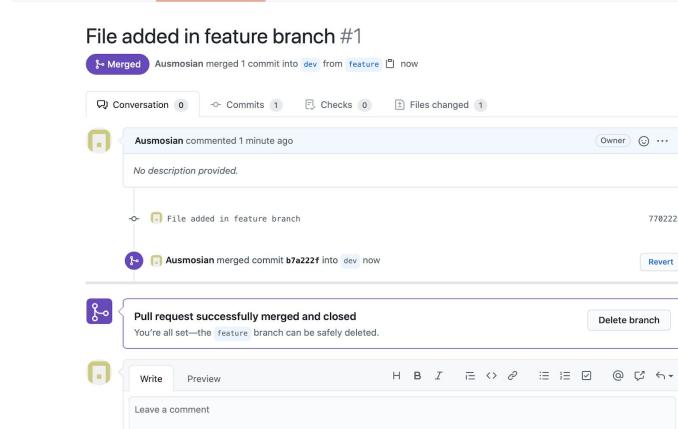
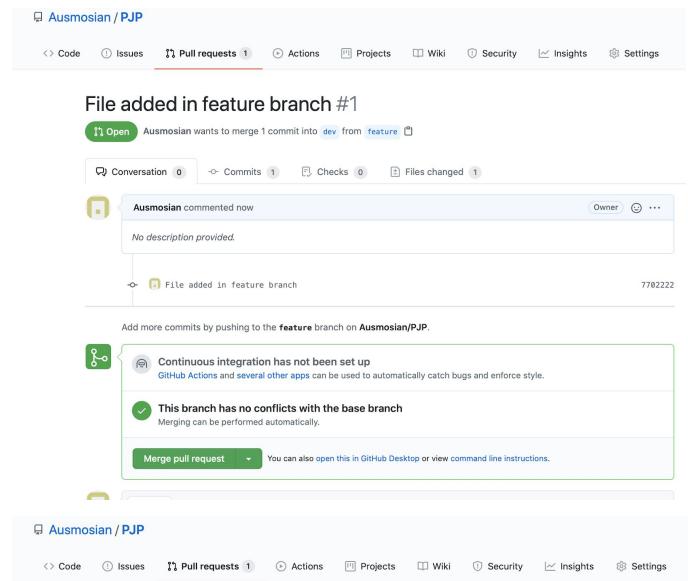
1. Basics of CLI

f. Check in, stage, commit, push changes into feature branch

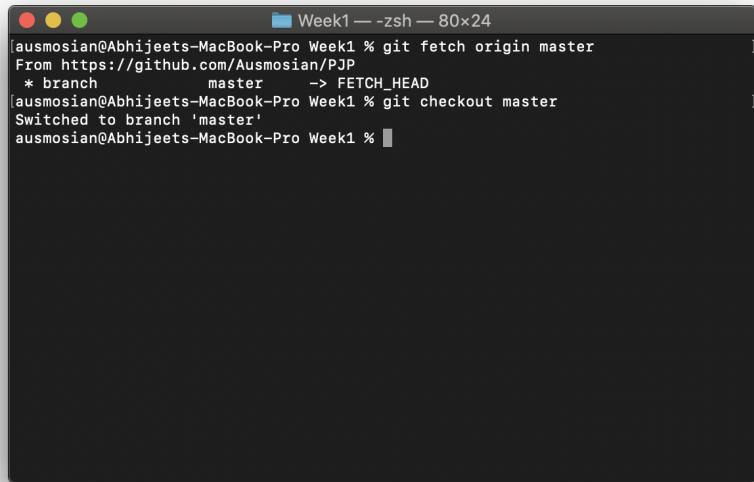
```
██████████ ┌── [ 2023-07-10 10:45:45 ] ─── Weeki ─ zsh ─ 80×24
██████████ | ausmosian@Ausmosian-MacBook-Pro:~/Weeki % subl feature_branch_file.txt
██████████ | ausmosian@Ausmosian-MacBook-Pro:~/Weeki % git add .
██████████ | ausmosian@Ausmosian-MacBook-Pro:~/Weeki % git commit -m "File added in feature branch"
██████████ | (current 778222) File added in feature branch
1 file changed, 1 insertion(+)
create mode 100644 feature_branch_file.txt
██████████ | ausmosian@Ausmosian-MacBook-Pro:~/Weeki % git push origin feature
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 348 bytes | 340.00 KB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/Ausmosian/PJP/pull/new/feature
remote:
remote: * [new branch]      feature --> feature
ausmosian@Ausmosian-MacBook-Pro:~/Weeki % █
```



g. Promote code from feature branch to dev branch via pull requests



h. Checkout the latest code from remote to local

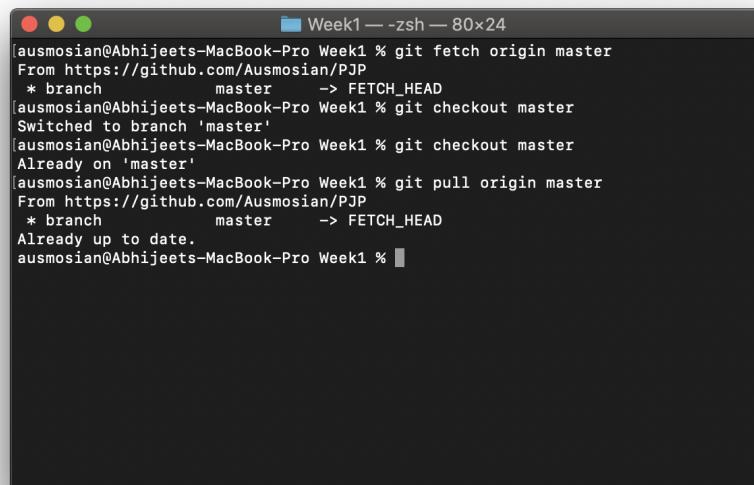


```
[ausmosian@Abhijeets-MacBook-Pro Week1 % git fetch origin master
From https://github.com/Ausmosian/PJP
 * branch            master      -> FETCH_HEAD
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Switched to branch 'master'
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

i. Explore difference between checkout and pull

**checkout->** Fetches the latest changes. You should already have this repo downloaded. It **does not merge** those new changes but makes your working directory reflect them. You can merge them at your leisure later.

**pull->** fetches the latest changes from remote and merges them into the local branch of the same name.



```
[ausmosian@Abhijeets-MacBook-Pro Week1 % git fetch origin master
From https://github.com/Ausmosian/PJP
 * branch            master      -> FETCH_HEAD
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Switched to branch 'master'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Already on 'master'
ausmosian@Abhijeets-MacBook-Pro Week1 % git pull origin master
From https://github.com/Ausmosian/PJP
 * branch            master      -> FETCH_HEAD
Already up to date.
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

- j. Get two people make changes to same file, checkin and handle merge conflicts
- Creating 2 new branches

```

[ausmosian@Abhijeets-MacBook-Pro Week1 % git branch person1
[ausmosian@Abhijeets-MacBook-Pro Week1 % git branch person2
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout person1
Switched to branch 'person1'
[ausmosian@Abhijeets-MacBook-Pro Week1 % subl File
[ausmosian@Abhijeets-MacBook-Pro Week1 % git add .
[ausmosian@Abhijeets-MacBook-Pro Week1 % git commit -m "person1 wants changes"
[person1 c5d38e5] person1 wants changes
  1 file changed, 3 insertions(+), 1 deletion(-)
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Switched to branch 'master'
[ausmosian@Abhijeets-MacBook-Pro Week1 % cat File
[File made by master]
ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout person2
Switched to branch 'person2'
[ausmosian@Abhijeets-MacBook-Pro Week1 % subl File
[ausmosian@Abhijeets-MacBook-Pro Week1 % cat File
File made by master

[person2 wants this change]
ausmosian@Abhijeets-MacBook-Pro Week1 % git add .
[ausmosian@Abhijeets-MacBook-Pro Week1 % git commit -m "person2 wants change"
[person2 f472217] person2 wants change
  1 file changed, 3 insertions(+), 1 deletion(-)
ausmosian@Abhijeets-MacBook-Pro Week1 %

```

- Merging changes from both branches
- Fixing manually

```

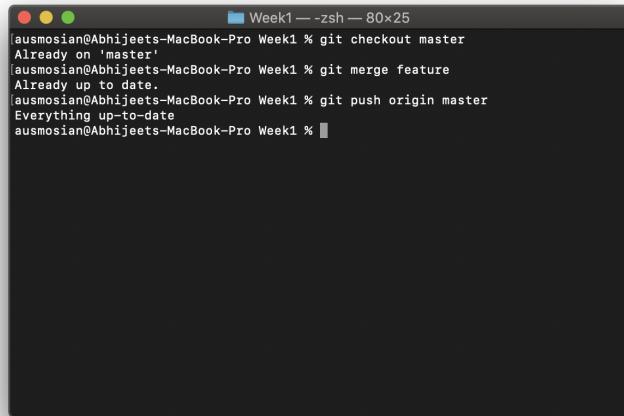
GNU nano 2.0.6          File: File
File made by master

<<<<< HEAD
person1 wants this change
===== 
person2 wants this change
>>>> person2

[ Read 7 lines ]
^G Get Help  ^O WriteOut  ^R Read File  ^Y Prev Page  ^K Cut Text  ^C Cur Pos
^X Exit      ^J Justify   ^W Where Is   ^V Next Page  ^U UnCut Text  ^T To Spell

```

k. Ensure code is sync across all branches



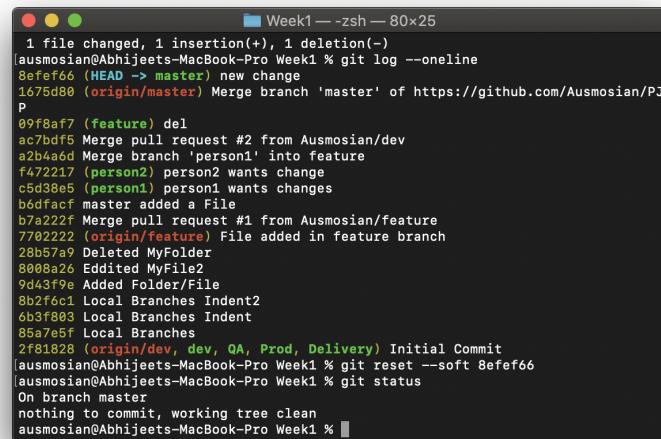
```
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Already on 'master'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git merge feature
Already up to date.
[ausmosian@Abhijeets-MacBook-Pro Week1 % git push origin master
Everything up-to-date
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

2. On ground day to day scenarios

a. Git reset/revert changes (soft/hard reset)

**--soft reset**

Does not touch the index file or the working tree at all (but resets the head to <commit>, just like all modes do). This leaves all your changed files "Changes to be committed", as git status would put it.



```
1 file changed, 1 insertion(+), 1 deletion(-)
[ausmosian@Abhijeets-MacBook-Pro Week1 % git log --oneline
8befef66 (HEAD -> master) new change
1675d80 (origin/master) Merge branch 'master' of https://github.com/Ausmosian/PJ
P
09f8af7 (feature) del
ac7bd5 Merge pull request #2 from Ausmosian/dev
a2b4a6d Merge branch 'person2' into feature
f472217 (person2) person2 wants change
c5d38e5 (person1) person1 wants changes
b6dfac master added a File
b7a222f Merge pull request #1 from Ausmosian/feature
7782222 (origin/feature) File added in feature branch
28b57a9 Deleted MyFolder
8008a26 Eddited MyFile2
9d43f9c Added Folder/File
8b2f6c1 Local Branches Indent2
6b3f803 Local Branches Indent
85a7e5f Local Branches
2f81828 (origin/dev, dev, QA, Prod, Delivery) Initial Commit
[ausmosian@Abhijeets-MacBook-Pro Week1 % git reset --soft 8befef66
[ausmosian@Abhijeets-MacBook-Pro Week1 % git status
On branch master
nothing to commit, working tree clean
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

## --hard reset

```
Week1 -- zsh -- 80x42
[ausmosian@Abhijeets-MacBook-Pro Week1 % git log --oneline
Befef66 (HEAD -> master) new change
1675d88 (origin/master) Merge branch 'master' of https://github.com/Ausmosian/PJ
P
09fbaf7 (feature) del
ac7bdf5 Merge pull request #2 from Ausmosian/dev
a2b4ad Merge branch 'person1' into feature
f472217 (person2) person2 wants change
c5d38e5 (person1) person1 wants changes
b6dfacf master added a File
b7a222f Merge pull request #1 from Ausmosian/feature
7702222 (origin/feature) File added in feature branch
28b57a9 Deleted MyFolder
8008a26 Edited MyFile2
9d43f9e Added Folder/File
Bb2f6c1 Local Branches Indent2
6b3f803 Local Branches Indent
85a7e5f Local Branches
2f81828 (origin/dev, dev, QA, Prod, Delivery) Initial Commit
[ausmosian@Abhijeets-MacBook-Pro Week1 % git reset -- hard Befef66
[ausmosian@Abhijeets-MacBook-Pro Week1 % git log --oneline
Befef66 (HEAD -> master) new change
1675d88 (origin/master) Merge branch 'master' of https://github.com/Ausmosian/PJ
P
09fbaf7 (feature) del
ac7bdf5 Merge pull request #2 from Ausmosian/dev
a2b4ad Merge branch 'person1' into feature
f472217 (person2) person2 wants change
c5d38e5 (person1) person1 wants changes
b6dfacf master added a File
b7a222f Merge pull request #1 from Ausmosian/feature
7702222 (origin/feature) File added in feature branch
28b57a9 Deleted MyFolder
8008a26 Edited MyFile2
9d43f9e Added Folder/File
Bb2f6c1 Local Branches Indent2
6b3f803 Local Branches Indent
85a7e5f Local Branches
2f81828 (origin/dev, dev, QA, Prod, Delivery) Initial Commit
[ausmosian@Abhijeets-MacBook-Pro Week1 % nano feature_branch_file.txt
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

## b. git stash

```
Week1 -- zsh -- 80x31
[ausmosian@Abhijeets-MacBook-Pro Week1 % git branch person1
[ausmosian@Abhijeets-MacBook-Pro Week1 % ls
README.md      myFile.txt
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout person1
Switched to branch 'person1'
[ausmosian@Abhijeets-MacBook-Pro Week1 % subl myFile.txt
[ausmosian@Abhijeets-MacBook-Pro Week1 % git add .
[ausmosian@Abhijeets-MacBook-Pro Week1 % git commit -m "person1 stash"
[person1 bf85a69] person1 stash
1 file changed, 1 insertion(+)
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Switched to branch 'master'
[ausmosian@Abhijeets-MacBook-Pro Week1 % subl myFile.txt
[ausmosian@Abhijeets-MacBook-Pro Week1 % git merge person1
Updating b0a6bcc..bf85a69
error: Your local changes to the following files would be overwritten by merge:
    myFile.txt
Please commit your changes or stash them before you merge.
Aborting
[ausmosian@Abhijeets-MacBook-Pro Week1 % git stash
Saved working directory and index state WIP on master: b0a6bcc restart
[ausmosian@Abhijeets-MacBook-Pro Week1 % git merge person1
Updating b0a6bcc..bf85a69
Fast-forward
    myFile.txt | 1 +
1 file changed, 1 insertion(+)
[ausmosian@Abhijeets-MacBook-Pro Week1 % git status
On branch master
nothing to commit, working tree clean
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

### c. git rebase

```
Week1 -- zsh -- 80x62
create mode 100644 person1File.txt
[ausmosian@Abhijeets-MacBook-Pro Week1 % git log --oneline
f9d440d (HEAD -> person1) person1File.txt added
69dc94 (master) masterFile.txt added
bf85a69 person1 stash
b0a6bcc (origin/master) restart
8fefef66 new change
1675d80 Merge branch 'master' of https://github.com/Ausmosian/PJP
09f8af7 (feature) del
ac7bdf5 Merge pull request #2 from Ausmosian/dev
a2b4a6d Merge branch 'person1' into feature
f472217 person2 wants change
c5d38e5 person1 wants changes
b6dfact master added a File
b7a222f Merge pull request #1 from Ausmosian/feature
7702222 (origin/feature) File added in feature branch
28b57a9 Deleted MyFolder
8008a26 Eddited MyFile2
9d43f9e Added Folder/File
8b2f6c1 Local Branches Indent2
6b3f803 Local Branches Indent
85a7e5f Local Branches
2f81828 (origin/dev, dev, QA, Prod, Delivery) Initial Commit
[ausmosian@Abhijeets-MacBook-Pro Week1 % git rebase
There is no tracking information for the current branch.
Please specify which branch you want to rebase against.
See git-rebase(1) for details.

git rebase '<branch>'

If you wish to set tracking information for this branch you can do so with:

git branch --set-upstream-to=<remote>/<branch> person1

[ausmosian@Abhijeets-MacBook-Pro Week1 % git rebase master
Current branch person1 is up to date.
[ausmosian@Abhijeets-MacBook-Pro Week1 % git checkout master
Switched to branch 'master'
[ausmosian@Abhijeets-MacBook-Pro Week1 % git rebase master
Current branch master is up to date.
[ausmosian@Abhijeets-MacBook-Pro Week1 % git log --oneline
69dc94 (HEAD -> master) masterFile.txt added
bf85a69 person1 stash
b0a6bcc (origin/master) restart
8fefef66 new change
1675d80 Merge branch 'master' of https://github.com/Ausmosian/PJP
09f8af7 (feature) del
ac7bdf5 Merge pull request #2 from Ausmosian/dev
a2b4a6d Merge branch 'person1' into feature
f472217 person2 wants change
c5d38e5 person1 wants changes
b6dfact master added a File
b7a222f Merge pull request #1 from Ausmosian/feature
7702222 (origin/feature) File added in feature branch
28b57a9 Deleted MyFolder
8008a26 Eddited MyFile2
9d43f9e Added Folder/File
8b2f6c1 Local Branches Indent2
6b3f803 Local Branches Indent
85a7e5f Local Branches
2f81828 (origin/dev, dev, QA, Prod, Delivery) Initial Commit
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

### 3. git log, reflog, status

**git log**

```
[ausmosian@Abhijeets-MacBook-Pro Week1 % git log
commit 69ddc940548d286de3f5dda29d7d0cf76005db06 (HEAD -> master)
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 22:24:49 2021 +0530

    masterFile.txt added

commit bf85a698de0b5d7a30c349690f9c5de0a21d6210
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 22:20:14 2021 +0530

    person1 stash

commit b0a6bcc4f1b87708b8d6e0eae6c7f114764ee3cb (origin/master)
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 22:17:24 2021 +0530

    restart

commit 8efef66133578755853cc2cf582fdef67f183949
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 21:28:38 2021 +0530

    new change

commit 1675d80548e46c513ab5896f10b9a02c9784923f
Merge: 09f8af7 ac7bdf5
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 21:07:47 2021 +0530

    Merge branch 'master' of https://github.com/Ausmosian/PJP

commit 09f8af756c6033dfe969c5f370cff412e1775ab5 (feature)
Merge: a2b4a6d f472217
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 21:05:28 2021 +0530

    del

commit ac7bdf507b82536bda5f13b0275ac00922fea870
Merge: b6dfacf b7a222f
Author: Ausmosian <39672173+Ausmosian@users.noreply.github.com>
Date:   Thu Mar 11 20:59:30 2021 +0530

    Merge pull request #2 from Ausmosian/dev

    Dev

commit a2b4a6d27dc307a4e7da362d467aa7380b1e40aa
Merge: 7702222 c5d38e5
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 20:57:31 2021 +0530

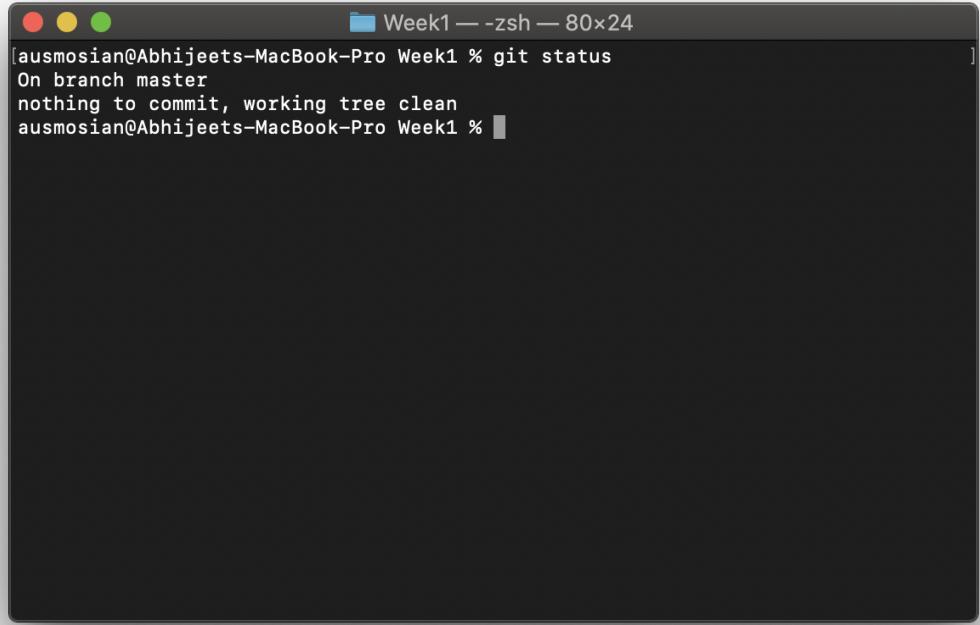
    Merge branch 'person1' into feature

    percon 1 changes

commit f472217f472c3a64ce6ddc08c9dd96379f4296fc
Author: Ausmosian <abhijeet.srivastava6499@gmail.com>
Date:   Thu Mar 11 20:43:53 2021 +0530

    person2 wants change
```

## git status



A screenshot of a macOS terminal window titled "Week1 — -zsh — 80x24". The window shows the command "git status" being run, resulting in the output:

```
[ausmosian@Abhijeets-MacBook-Pro Week1 % git status
On branch master
nothing to commit, working tree clean
ausmosian@Abhijeets-MacBook-Pro Week1 % ]
```

## git reflog

```
[ausmosian@Abhijeets-MacBook-Pro Week1 % git reflog
69ddc94 (HEAD -> master) HEAD@{0}: checkout: moving from person1 to master
f9d440d (person1) HEAD@{1}: commit: person1File.txt added
69ddc94 (HEAD -> master) HEAD@{2}: checkout: moving from master to person1
69ddc94 (HEAD -> master) HEAD@{3}: commit: masterFile.txt added
bf85a69 HEAD@{4}: checkout: moving from master to master
bf85a69 HEAD@{5}: merge person1: Fast-forward
b0a6bcc (origin/master) HEAD@{6}: reset: moving to HEAD
b0a6bcc (origin/master) HEAD@{7}: checkout: moving from person1 to master
bf85a69 HEAD@{8}: commit: person1 stash
b0a6bcc (origin/master) HEAD@{9}: checkout: moving from master to person1
b0a6bcc (origin/master) HEAD@{10}: commit: restart
8fefef66 HEAD@{11}: checkout: moving from master to master
8fefef66 HEAD@{12}: reset: moving to 8fefef66
8fefef66 HEAD@{13}: commit: new change
1675d80 HEAD@{14}: checkout: moving from master to master
1675d80 HEAD@{15}: pull origin master: Merge made by the 'recursive' strategy.
09f8af7 (feature) HEAD@{16}: merge feature: Fast-forward
b6dfacf HEAD@{17}: checkout: moving from feature to master
09f8af7 (feature) HEAD@{18}: commit (merge): del
a2b4a6d HEAD@{19}: merge person1: Merge made by the 'recursive' strategy.
7702222 (origin/feature) HEAD@{20}: checkout: moving from person1 to feature
c5d38e5 HEAD@{21}: checkout: moving from feature to person1
7702222 (origin/feature) HEAD@{22}: checkout: moving from person1 to feature
c5d38e5 HEAD@{23}: checkout: moving from feature to person1
7702222 (origin/feature) HEAD@{24}: checkout: moving from feature to feature
7702222 (origin/feature) HEAD@{25}: checkout: moving from person2 to feature
f472217 HEAD@{26}: commit: person2 wants change
b6dfacf HEAD@{27}: checkout: moving from master to person2
b6dfacf HEAD@{28}: checkout: moving from person1 to master
c5d38e5 HEAD@{29}: commit: person1 wants changes
b6dfacf HEAD@{30}: checkout: moving from master to person1
b6dfacf HEAD@{31}: commit: master added a File
28b57a9 HEAD@{32}: checkout: moving from person1 to master
28b57a9 HEAD@{33}: checkout: moving from master to person1
28b57a9 HEAD@{34}: checkout: moving from master to master
28b57a9 HEAD@{35}: checkout: moving from feature to master
7702222 (origin/feature) HEAD@{36}: commit: File added in feature branch
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{37}: checkout: moving from master to feature
28b57a9 HEAD@{38}: commit: Deleted MyFolder
8008a26 HEAD@{39}: commit: Eddited MyFile2
9d43f9e HEAD@{40}: commit: Added Folder/File
8b2f6c1 HEAD@{41}: commit: Local Branches Indent2
6b3f803 HEAD@{42}: commit: Local Branches Indent
85a7e5f HEAD@{43}: commit: Local Branches
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{44}: checkout: moving from Delivery to master
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{45}: checkout: moving from Prod to Delivery
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{46}: checkout: moving from QA to Prod
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{47}: checkout: moving from dev to QA
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{48}: checkout: moving from feature to dev
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{49}: checkout: moving from master to feature
2f81828 (origin/dev, dev, QA, Prod, Delivery) HEAD@{50}: commit (initial): Initial Commit
[END]
7702222 (origin/feature) HEAD@{36}: commit: File added in feature branch]
```

