**Scenario 1**

git3.js

git3.js

git3.js

git3.js

**Working Directory**

**Staging**

**Local Repository**

**Git Hub 🡺 Cloud**

10 lines

10 lines

10 lines

10 lines

5 lines added

5 lines added

* working directory –ko ---- same as last commit karna hai
* command 🡺 git checkout HEAD filename
* HEAD 🡺 means last jo commit hai
* filename 🡺 jo bhi hai wo likho
* Ye process se humme

W.D. ===> staging ===> local repo ===> cloud

10+5 ===> 10+5 ===> 10 ==========> 10

* Ye process se humme

W.D. ===> staging ===> local repo ===> cloud

10 ===> 10 =====> 10 ==========> 10

* Start the process with git init
* Then 🡺 git add . 🡺 to put the file in staging
* Now we don’t want process further with done changes
* Want the W.D. same as before without deleting
* Write 🡺 git checkout HEAD filename
* W.D. will be same as before that new 5 lines added will deleted from W.D.

Yaha se 5 lines hatana hai

**Scenario 2**

git3.js

git3.js

git3.js

git3.js

**Working Directory**

**Staging**

**Local Repository**

**Git Hub 🡺 Cloud**

10 lines

10 lines

10 lines

10 lines

5 lines added

5 lines added

* staging same as last commit
* unstage karna hai
* command 🡺 git reset HEAD filename
* HEAD 🡺 means last jo commit hai
* filename 🡺 jo bhi hai wo likho

W.D. ==🡺 staging 🡺 local repo 🡺cloud

10+5 ==🡺 10+5 =🡺 10 === 🡺 10

* Esse hum niche jaisa karna hai

W.D. ==🡺 staging 🡺 local repo 🡺cloud

10+5 ==🡺 10 ===🡺 10 === 🡺 10

* Start the process with git init
* Then 🡺 git add . 🡺 to put the file in staging
* Now we don’t want process further with done changes
* Want to unstage the process
* Write 🡺 git reset HEAD filename
* Changes will be still present in W.D. , as we have done staging we want to unstage it.
* See the changes with git diff
* Will see the green line on the left side of the unstage code.
* We will get following message on unstage

Unstaged changes after reset:

M git3.js

Yaha se 5 lines hatana hai

**Scenario 3**

git3.js

git3.js

git3.js

git3.js

**Working Directory**

**Staging**

**Local Repository**

**Git Hub 🡺 Cloud**

10 lines

10 lines

10 lines

10 lines

5 lines added

5 lines added

* removing the commit to roll back to spect commit
* uncommit karna hai
* command 🡺 git reset 4586e3d
* yaha ye code git log karke aaya
* jo latest wala hai sabse niche uske first 7 letter and number
* filename 🡺 jo bhi hai wo likho

W.D. ==🡺 staging 🡺 local repo 🡺cloud

10+5 ==🡺 10+5 =🡺 10+5 === 🡺 10

* Esse hum niche jaisa karna hai

W.D. ==🡺 staging 🡺 local repo 🡺cloud

10+5 ==🡺 10+5 ==🡺 10 === 🡺 10

* Start the process with git init
* Then 🡺 git add . 🡺 git commit -m “added code” to put the file in local repo
* Now we don’t want process further with done changes
* Want to uncommit the process
* Write 🡺 git reset cf91dab
* Changes will be done in commit, we will uncommit the code, uncommit karne par humme niche wala msg aayega

Unstaged changes after reset:

M git3.js

5 lines added

Yaha se 5 lines hatana hai

1. There was already 100 line code on the git hub.
2. Rahul have pull the code from git hub and added more 30 lines in that code.
3. Now Rahul wants to push that code to git hub.
4. Went the Rahul push the code to the git hub.
5. Code on git hub becomes of 130 lines.
6. Therefore New code from Rahul W.D. will be of no use
7. Even Other 2 peoples pull will be of new use
8. All have to pull new code lines from git hub.

New code

(100 +30)

**Branching**

**Developer(100)**

**Developer(100)**

**Developer(100)**

**Developer(100)**

Rahul

Chinmay

Ram