[https://www.udemy.com/course/git-expert-4-hours/learn/lecture/11682292#overview](https://www.udemy.com/course/git-expert-4-hours/learn/lecture/11682292" \l "overview)

Machine generated alternative text:
Workflow Diagram 
This diagram shows a little bit about how the 
o 
basic Git workflow process works 
The staging area is the bundle of all the 
o 
modifications to the project that are going to be 
committed. 
A 'commit' is similar to taking a snapshot of the 
o 
current state of the project, then storing it on a 

To intialise a git repository ( root folder) use---------------------> git init

To add a [file:------git](file:///\\------git) add .

To remove file from staging area( means file which are committed but not push) -----git rm -f file name

To commit : git commit -m "Initial commit"

To see log : git log

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**Git checkout: which allow to move between branches and commit**

**Head is pointing to master latest commit**

docker rm -f kdk git checkout 90e147372f9e9db2a025b05a40afb04c2ec574cc

Now head will move to commit branch

Machine generated alternative text:
saurakes@SAURAKES-96H02 MINGW64 /c/project ((90e1473.. .)) 
S git log 
commit 90e147372f9e9db2a02SbOSa40afb04c2ec574cc (HEAD) 
Author : 
Date: 
saurkesa «saurakes@rediffmail . con» 
Thu May 7 17 2020 +0530 
Initial commit 

**To reach again to intial**:-----git checkout master

**Git revert and reset**

**Git revert:----will go to back one commit only----------------- git revert id**

**But want to get back:------git checkout id (previous one), git revert id**

**Git reset -----------dangerous ( we can go any time)**

**=========================================================================**

**Branch:**

**Checkout branch :--------git checkout -b branch name**

**Git rebase: to point master and hotfix to same level**

Machine generated alternative text:
Main config added 
- /rnt/c/users/'ad/Docunents/rebase-1ectureS git checkout master 
tched to branch •raster • 
git rebase hotfix 
Éirst rewinding head to replay yaur work t" Of it... 
ast-+orwarded master to hotfix. 
ad,'DESKTOP-HGECGYR: git log 
g • master. hotfix) 
thor: 'ad 
te: sun Apr 21 22:36:27 2019 +0400 
Permanent fix added 
thor: 'ad cja«vhdeolab. 
SSS41eSd2S 
te: sun Apr 21 22: 34: 2 
Ho x added 
c949a9S'0E73f3ste.-__ 
thor: 'ad 
te: sun Apr 21 
user features added 
thor: 'ad 
te: sun Apr 21 22:32:49 2019 +0400 
Main config added 
a#0ESKTOP-hGECG3R : mt/c/user s/'ad/Docu.ents/rebase-1ectureS 

**===============================================**

Machine generated alternative text:
aurakes@SAURAKES-96H02 MINGW64 /c/proj/api -automati on-cxp (master) 
S git branch 
master 
aurakes@SAURAKES-96H02 MINGW64 /c/proj/api -automati on-cxp (master) 
S git checkout -b 
ci rcl e_ci —API_14May 
witched to a new 
branch ' ci rcl e_ci _API_14May' 
aurakes@SAURAKES-96H02 MINGW64 /c/proj/api -automation-cxp (ci rcl 
S git branch 
ci rcl e_ci —API_14May 
master 
aurakes@SAURAKES-96H02 MINGW64 /c/proj/api -automation-cxp (ci rcl 
S git remote -v 
ri gin git@wwvv-github3. ci sco . com:saurakes/api -automati on-cxp . git (fetch) 
ri gin git@wwvv-github3.cisco . com:saurakes/api -automati on-cxp . git (push) 
aurakes@SAURAKES-96H02 MINGW64 
/c/proj/api -automati on-cxp (ci rcl 
S git remote add upstream https://MW-github3.cisco.com/cxe/api-automation-cxp 
aurakes@SAURAKES-96H02 MINGW64 
/c/proj/api -automati on-cxp (ci rcl 

git push --set-upstream origin circle\_ci\_API\_14May

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Git log --oneline

Git log author ="Saurabh Kesarwani"

Before staging " some corrupt file want to revert back

Git checkout filename

File staged want to revert back

Git reset HEAD file name( untracked it)

Git checkout filename

Or

git rm --cached <file>.

Create branch:---- git branch branch name

git checkout branchname

or

git checkout -b branchname

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Go to master branch directory:----- git merge dev(branchname)

To delete a branch:

Git branch -d branch\_name

Git remote add upstream url

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Git fetch : will not fech file only will show what difference is there between two file

Note commit 3 and 4 some issue is there

Machine generated alternative text:
reset 
Head 
Head 

Git reset --hard commit id

Git push -f ( but it is dangerous)

In reset will loose the commit

Machine generated alternative text:
revert 
0 
Head 

it will create new commit and we still have commit 3 and undo the changes of commit 3

Machine generated alternative text:
cherrypick 
-O 
0-0- 
Head 
-0-0 9 
Head 