

06th September 2022

# Group One

# Git - Undo Changes

01

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**git**

## **git checkout -- <file>**

restore the working directory of a specific file.  
(delete changes from a specific file)

## **git reset --hard**

To discard local changes to all files, permanently:  
  
(delete the changes in all files)

## **git stash**

Stash the changes in a dirty working directory away.  
when you want to record the current state of the  
working directory and the index.



**UNDO  
UNSTAGED  
LOCAL  
CHANGES:**

## **git restore --staged <file>**

By default, if --staged is given, the contents are restored from HEAD, otherwise from the index.

## **git reset**

Reset current HEAD to the specified state  
(To unstage everything but keep your changes)

## **git stash**

Stash the changes in a dirty working directory away.  
when you want to record the current state of the working directory and the index, but want to go back to a clean working directory

## **git reset --hard**

Resets the index and working tree. Any changes to tracked files in the working tree since <commit> are discarded

UNDO STAGED  
 LOCAL  
CHANGES:

## **git revert <commit-B-SHA>**

Given one or more existing commits, revert the changes that the related patches introduce, and record some new commits that record them. If multiple changes are made in the same file it will create a conflict that we manually need to fix.

## **git checkout <commit-B-SHA> <file>**

To undo changes on a single file or directory from a specific commit, but retain them in the staged state. It keeps your commits. Without a file It only allows you to go back and look at your previous commits to see what it looked like commit at that point in time. You can't add or edit anything. Just a read-only view to see what happened at that time.

## **git reset <commit-B-SHA> <file>**

To undo changes all the way back to the specified commit of a specific file and leave them in our working directory (where you are currently working). It will remove all the commits back to the current one and you can create a new one. You keep the commits. To undo the reset use git add.



**UNDO  
COMMITTED  
LOCAL  
CHANGES:**





**Thank you**