

## CRUD Operations in Git

Step1: Reverting the previous commits.

```

    added the Hello source code
PS C:\Users\HARSHITHA\Documents\WORK> git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'
hint: Turn this message off by running
hint: "git config advice.addEmptyPathsSpec false"
PS C:\Users\HARSHITHA\Documents\WORK> git add .
PS C:\Users\HARSHITHA\Documents\WORK> git add src/hi.html
PS C:\Users\HARSHITHA\Documents\WORK> git commit -m "added new hi source code"
[master 8fdec35] added new hi source code
 4 files changed, 32 insertions(+)
 create mode 100644 src/hi.html
PS C:\Users\HARSHITHA\Documents\WORK> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\HARSHITHA\Documents\WORK> git log
commit 8fdec353c1df201ef76dd2d7f2c9e4b79742cd3c (HEAD -> master)
Author: harshithanap <ashwathharshitha0@gmail.com>
Date:   Mon Nov 27 23:02:39 2023 +0530

```

```

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Author: harshithanap <ashwathharshitha0@gmail.com>
Date:   Mon Nov 27 23:02:39 2023 +0530

    added new hi source code

commit bf8d1a685b9283c858634168711f1edb094780e4
Author: harshithanap <ashwathharshitha0@gmail.com>
Date:   Mon Nov 27 22:11:11 2023 +0530

    added the Hello source code
PS C:\Users\HARSHITHA\Documents\WORK> git revert
usage: git revert [--[no-]edit] [-n] [-m <parent-number>] [-s] [-S[<keyid>]] <commit>...
or: git revert (--continue | --skip | --abort | --quit)

--quit                end revert or cherry-pick sequence
--continue            resume revert or cherry-pick sequence
--abort              cancel revert or cherry-pick sequence
--skip              skip current commit and continue
--[no-]cleanup <mode> how to strip spaces and #comments from message
-n, --no-commit      don't automatically commit
--commit            opposite of --no-commit
-e, --[no-]edit      edit the commit message
-s, --[no-]signoff   add a Signed-off-by trailer
-m, --[no-]mainline <parent-number>
                    select mainline parent

```

```

--[no-]strategy <strategy>
    merge strategy
-X, --[no-]strategy-option <option>
    option for merge strategy
-S, --[no-]gpg-sign[=<key-id>]
    GPG sign commit
--[no-]reference
    use the 'reference' format to refer to commits

PS C:\Users\HARSHITHA\Documents\WORK> git checkout
PS C:\Users\HARSHITHA\Documents\WORK> git checkout
PS C:\Users\HARSHITHA\Documents\WORK> git remort add origin https://github.com/hars
git: 'remort' is not a git command. See 'git --help'.

The most similar commands are
    remote
    revert
PS C:\Users\HARSHITHA\Documents\WORK> git checkout
PS C:\Users\HARSHITHA\Documents\WORK> git remote add origin https://github.com/hars
PS C:\Users\HARSHITHA\Documents\WORK> git push origin master
info: please complete authentication in your browser...
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (11/11), 1020 bytes | 510.00 KiB/s, done.
Total 11 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/harshithanap/Project1.git
 * [new branch]      master -> master
PS C:\Users\HARSHITHA\Documents\WORK>

```

Step2: Ignoring specific files from the .git directory.

```

git pull <remote> <branch>

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

git branch --set-upstream-to=origin/<branch> master

PS C:\Users\HARSHITHA\Documents\WORK> git pull src/index.html
fatal: invalid gitfile format: src/index.html
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\HARSHITHA\Documents\WORK> git pull https://github.com/harshithanap/Project1.git
From https://github.com/harshithanap/Project1
 * branch      HEAD      -> FETCH_HEAD
Already up to date.
PS C:\Users\HARSHITHA\Documents\WORK> cd..
PS C:\Users\HARSHITHA\Documents> git pull https://github.com/harshithanap/Project1.git
fatal: not a git repository (or any of the parent directories): .git
PS C:\Users\HARSHITHA\Documents> cd work
PS C:\Users\HARSHITHA\Documents\work> cd work
cd : Cannot find path 'C:\Users\HARSHITHA\Documents\work\work' because it does not exist.
At line:1 char:1
+ cd work
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (C:\Users\HARSHITHA\Documents\work\work:String) [Set-Location],
   CommandNotFoundException
+ FullyQualifiedErrorId : PathNotFound,Microsoft.PowerShell.Commands.SetLocationCommand

PS C:\Users\HARSHITHA\Documents\work>

```

Step3: Pulling the commits and collaborating between the local and remote repositories.

```
Windows PowerShell
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PS C:\Users\HARSHITHA\Documents\WORK> git clone https://github.com/harshithanap/Project1.git
fatal: destination path 'Project1' already exists and is not an empty directory.
PS C:\Users\HARSHITHA\Documents\WORK> git fetch
PS C:\Users\HARSHITHA\Documents\WORK> git merge
fatal: No remote for the current branch.
PS C:\Users\HARSHITHA\Documents\WORK> git push origin tracker
error: src refspec tracker does not match any
error: failed to push some refs to 'https://github.com/harshithanap/Project1.git'
PS C:\Users\HARSHITHA\Documents\WORK> git checkout -b tracker
Switched to a new branch 'tracker'
PS C:\Users\HARSHITHA\Documents\WORK> git push origin tracker
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'tracker' on GitHub by visiting:
remote:      https://github.com/harshithanap/Project1/pull/new/tracker
remote:
To https://github.com/harshithanap/Project1.git
 * [new branch]      tracker -> tracker
PS C:\Users\HARSHITHA\Documents\WORK> git merge master
Already up to date.
PS C:\Users\HARSHITHA\Documents\WORK>
```