

Project 2:CRUD Operations in Git

Name:Supriya B C

Step 1: Reverting the previous commits.

```
Windows PowerShell
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   src/Hello.js
        modified:   src/helloworld.java
        new file:   src/hi.html
        modified:   src/index.html

PS C:\Users\Admin\Documents\WORK> git log
commit 8d5496a7d2bb483bb3f179f1bde89a3d0f87ebe3 (HEAD -> master)
Author: supriyabcs <supriyachandru2000@gmail.com>
Date:   Mon Nov 27 22:09:59 2023 +0530

    added the Hello source code

PS C:\Users\Admin\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.addEmptyPaths false"
PS C:\Users\Admin\Documents\WORK> git add .
PS C:\Users\Admin\Documents\WORK> git add src/hi.html
PS C:\Users\Admin\Documents\WORK> git commit -m "added new hi source code"
[master 6a66c29] added new hi source code
 4 files changed, 35 insertions(+)
 create mode 100644 src/hi.html
PS C:\Users\Admin\Documents\WORK> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\Admin\Documents\WORK> git log
commit 6a66c29959b14e1f60dee4f797599b2fc006ac3b (HEAD -> master)
Author: supriyabcs <supriyachandru2000@gmail.com>
Date:   Mon Nov 27 22:57:09 2023 +0530

    added new hi source code

commit 8d5496a7d2bb483bb3f179f1bde89a3d0f87ebe3
Author: supriyabcs <supriyachandru2000@gmail.com>
Date:   Mon Nov 27 22:09:59 2023 +0530

    added the Hello source code

PS C:\Users\Admin\Documents\WORK> git revert
```

```
Windows PowerShell
Author: supriyabcs <supriyachandru2000@gmail.com>
Date:   Mon Nov 27 22:09:59 2023 +0530

    added the Hello source code
PS C:\Users\Admin\Documents\WORK> git revert
usage: git revert [--no-jedit] [-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-]rerere-autoupdate
                update the index with reused conflict resolution if possible
--[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\Admin\Documents\WORK> git checkout
git: 'checkout' is not a git command. See 'git --help'.

The most similar command is
  checkout
PS C:\Users\Admin\Documents\WORK> git checkout
PS C:\Users\Admin\Documents\WORK> git remote add origin https://github.com/supriyabcs/project1.git
PS C:\Users\Admin\Documents\WORK> git push origin master
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.
```

Step 2: Ignoring specific files from the .git directory.

```
Windows PowerShell
nothing to commit, working tree clean
PS C:\Users\Admin\Documents\WORK> 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:   src/Hello.js
        modified:   src/helloworld.java
        modified:   src/index.html

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Admin\Documents\WORK> git add Hello.js
fatal: pathspec 'Hello.js' did not match any files
PS C:\Users\Admin\Documents\WORK> 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:   src/Hello.js
        modified:   src/helloworld.java
        modified:   src/index.html

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Admin\Documents\WORK> git add index.html
fatal: pathspec 'index.html' did not match any files
PS C:\Users\Admin\Documents\WORK> git add src/Hello.js
PS C:\Users\Admin\Documents\WORK> git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   src/Hello.js

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:   src/helloworld.java
        modified:   src/index.html

PS C:\Users\Admin\Documents\WORK> git add
Nothing specified, nothing added.
```

```
Windows PowerShell
PS C:\Users\Admin\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\Admin\Documents\WORK> git add src/index.html
PS C:\Users\Admin\Documents\WORK> git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   src/Hello.js
        modified:   src/index.html

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:   src/helloworld.java

PS C:\Users\Admin\Documents\WORK> git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'?
hint: Turn this message off by running
PS C:\Users\Admin\Documents\WORK> git add src/index.html
PS C:\Users\Admin\Documents\WORK> git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   src/Hello.js
        modified:   src/index.html

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:   src/helloworld.java

PS C:\Users\Admin\Documents\WORK> git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'?
hint: Turn this message off by running
```

```
Windows PowerShell
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\Admin\Documents\WORK> git pull https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
 * branch      HEAD      -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\WORK> cd..
PS C:\Users\Admin\Documents> git pull https://github.com/supriyabcs/project1.git
fatal: not a git repository (or any of the parent directories): .git
PS C:\Users\Admin\Documents> cd work
PS C:\Users\Admin\Documents\work> git pull https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
 * branch      HEAD      -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\work> git fetch
PS C:\Users\Admin\Documents\work> git fetch https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
 * branch      HEAD      -> FETCH_HEAD
PS C:\Users\Admin\Documents\work> git pull https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
 * branch      HEAD      -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\work> git clone https://github.com/supriyabcs/project1.git
Cloning into 'project1'...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 11 (delta 1), reused 11 (delta 1), pack-reused 0
Receiving objects: 100% (11/11), done.
Resolving deltas: 100% (1/1), done.
PS C:\Users\Admin\Documents\work> git merge
fatal: No remote for the current branch.
PS C:\Users\Admin\Documents\work> git log --oneline
6a66c29 (HEAD -> master, origin/master) added new hi source code
8d5496a added the Hello source code
PS C:\Users\Admin\Documents\work> git push origin tracker
error: src refspec tracker does not match any
error: failed to push some refs to 'https://github.com/supriyabcs/project1.git'
```

Step 3: Pulling the commits and collaborating between the local and remote repositories.

```
Windows PowerShell
Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\Admin\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), 1.00 KiB | 513.00 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/supriyabcs/project1.git
 * [new branch]      master -> master
PS C:\Users\Admin\Documents\WORK> git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    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\Admin\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\Admin\Documents\WORK> git pull https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
 * branch      HEAD      -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\WORK> cd..
PS C:\Users\Admin\Documents> git pull https://github.com/supriyabcs/project1.git
fatal: not a git repository (or any of the parent directories): .git
PS C:\Users\Admin\Documents> cd work
PS C:\Users\Admin\Documents\work> git pull https://github.com/supriyabcs/project1.git
```

```
Windows PowerShell
* branch HEAD -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\WORK> cd..
PS C:\Users\Admin\Documents> git pull https://github.com/supriyabcs/project1.git
fatal: not a git repository (or any of the parent directories): .git
PS C:\Users\Admin\Documents> cd work
PS C:\Users\Admin\Documents\work> git pull https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
* branch HEAD -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\work> git fetch
PS C:\Users\Admin\Documents\work> git fetch https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
* branch HEAD -> FETCH_HEAD
PS C:\Users\Admin\Documents\work> git pull https://github.com/supriyabcs/project1.git
From https://github.com/supriyabcs/project1
* branch HEAD -> FETCH_HEAD
Already up to date.
PS C:\Users\Admin\Documents\work> git clone https://github.com/supriyabcs/project1.git
Cloning into 'project1'...
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 11 (delta 1), reused 11 (delta 1), pack-reused 0
Receiving objects: 100% (11/11), done.
Resolving deltas: 100% (1/1), done.
PS C:\Users\Admin\Documents\work> git merge
fatal: No remote for the current branch.
PS C:\Users\Admin\Documents\work> git log --oneline
6a66c29 (HEAD -> master, origin/master) added new hi source code
8d5496a added the Hello source code
PS C:\Users\Admin\Documents\work> git push origin tracker
error: src refspec tracker does not match any
error: failed to push some refs to 'https://github.com/supriyabcs/project1.git'
PS C:\Users\Admin\Documents\work> git checkout -b tracker
Switched to a new branch 'tracker'
PS C:\Users\Admin\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:
```

```
Windows PowerShell
PS C:\Users\Admin\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/supriyabcs/project1/pull/new/tracker
remote:
To https://github.com/supriyabcs/project1.git
* [new branch] tracker -> tracker
PS C:\Users\Admin\Documents\work> git merge master
Already up to date.
PS C:\Users\Admin\Documents\work> git pull --verbose
POST git-upload-pack (165 bytes)
From https://github.com/supriyabcs/project1
= [up to date] master -> origin/master
= [up to date] tracker -> origin/tracker
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

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> tracker

PS C:\Users\Admin\Documents\work> git pull --rebase<remote>
error: unknown option 'rebase<remote>'
usage: git pull [<options>] [<repository>] [<refspec>...]

    -v, --[no-]verbose      be more verbose
    -q, --[no-]quiet        be more quiet
    --[no-]progress        force progress reporting
    --[no-]recurse-submodules[=<on-demand>] control for recursive fetching of submodules

Options related to merging
    -r, --[no-]rebase[=<false|true|merges|interactive>]
                                incorporate changes by rebasing rather than merging
    -n                      do not show a diffstat at the end of the merge
    --[no-]stat             show a diffstat at the end of the merge
```

```
Windows PowerShell
error: unknown option 'rebase<remote>'
usage: git pull [<options>] [<repository> [<refspec>...]]

    -v, --[no-]verbose      be more verbose
    -q, --[no-]quiet        be more quiet
    --[no-]progress         force progress reporting
    --[no-]recurse-submodules[=<on-demand>]
                           control for recursive fetching of submodules

Options related to merging
  -r, --[no-]rebase[=(false|true|merges|interactive)]
                           incorporate changes by rebasing rather than merging
  -n                               do not show a diffstat at the end of the merge
  --[no-]stat                    show a diffstat at the end of the merge
  --[no-]log[=<n>]               add (at most <n>) entries from shortlog to merge commit message
  --[no-]signoff[=...]          add a Signed-off-by trailer
  --[no-]squash                 create a single commit instead of doing a merge
  --[no-]commit                 perform a commit if the merge succeeds (default)
  --[no-]edit                   edit message before committing
  --[no-]cleanup <mode>        how to strip spaces and #comments from message
  --[no-]ff                     allow fast-forward
  --ff-only                     abort if fast-forward is not possible
  --[no-]verify                 control use of pre-merge-commit and commit-msg hooks
  --[no-]verify-signatures      verify that the named commit has a valid GPG signature
  --[no-]autostash              automatically stash/stash pop before and after
  -s, --[no-]strategy <strategy>
                           merge strategy to use
  -X, --[no-]strategy-option <option=value>
                           option for selected merge strategy
  -S, --[no-]gpg-sign[=<key-id>]
                           GPG sign commit
  --[no-]allow-unrelated-histories
                           allow merging unrelated histories

Options related to fetching
  --[no-]all                    fetch from all remotes
  -a, --[no-]append             append to .git/FETCH_HEAD instead of overwriting
  --[no-]upload-pack <path>    path to upload pack on remote end
```

```
Windows PowerShell
report that we have only objects reachable from this object
--[no-]show-forced-updates      check for forced-updates on all updated branches
--[no-]set-upstream             set upstream for git pull/fetch

PS C:\Users\Admin\Documents\work> git pull --no-commit
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    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> tracker

PS C:\Users\Admin\Documents\work> git status
On branch tracker
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    project1/

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\Admin\Documents\work> git add .
warning: adding embedded git repository: project1
hint: You've added another git repository inside your current repository.
hint: Clones of the outer repository will not contain the contents of
hint: the embedded repository and will not know how to obtain it.
hint: If you meant to add a submodule, use:
hint:     git submodule add <url> project1
hint: If you added this path by mistake, you can remove it from the
hint: index with:
hint:     git rm --cached project1
hint: See "git help submodule" for more information.
PS C:\Users\Admin\Documents\work> git push -u origin main
error: src refspec main does not match any
```



```
Windows PowerShell
hint: You've added another git repository inside your current repository.
hint: Clones of the outer repository will not contain the contents of
hint: the embedded repository and will not know how to obtain it.
hint: If you meant to add a submodule, use:
hint:   git submodule add <url> project1
hint:
hint: If you added this path by mistake, you can remove it from the
hint: index with:
hint:   git rm --cached project1
hint:
hint: See "git help submodule" for more information.
PS C:\Users\Admin\Documents\work> git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/supriyabcs/project1.git'
PS C:\Users\Admin\Documents\work> git branch
  master
* tracker
PS C:\Users\Admin\Documents\work> git branch -M main
PS C:\Users\Admin\Documents\work> git branch
  main
* main
  master
PS C:\Users\Admin\Documents\work> git push -u master main
fatal: 'master' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
PS C:\Users\Admin\Documents\work> |
```

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