

Install GIT & make sure it is added into PATH.

Use GIT as local VCS. Steps to follow:

1. Create a directory 'project_dir' & cd to 'project_dir'.
2. Initialize git version database. (git init)
3. Create a new file index.html.
4. Check the git status. You should find index.html as untracked file.
5. Stage the index.html file.
6. Commit index.html
7. Make few changes in index.html & create a new file info.txt file.
8. Check git status. You should find index.html & info.txt as untracked files.
9. Configure GIT to ignore all txt files.
10. Again check the git status. You should find only index.html as untracked file.
11. State & commit index.html
12. Log all your comments so far.
13. Make some changes in index.html.
14. Revert the change made in the previous step using git command.
15. Again change index.html.
16. Stage index.html
17. Revert back the last stage.
18. Rename 'add' command to 'my-add'.
19. Using my_add command Stage index.html again & commit the changes.
20. Revert the last commit.

MINGW64; c:/Users/ABHISHEK JHA/Desktop/project_dir

```
ABHISHEK JHA@AJsSystem MINGW64 ~
$ cd Desktop

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop
$ mkdir project_dir

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop
$ cd project_dir/

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir
$ git init
Initialized empty Git repository in C:/Users/ABHISHEK JHA/Desktop/project_dir/.git/

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$ touch index.html

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html

nothing added to commit but untracked files present (use "git add" to track)

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$ git add index.html

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$ git commit -m 'Changed'
[master (root-commit) 44f1039] Changed
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$ touch info.txt

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$ 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:   index.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        info.txt

no changes added to commit (use "git add" and/or "git commit -a")

ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
$
```

MINGW64/c/Users/ABHISHEK JHA/Desktop/project_dir

```
$ touch index.html
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ git status
```

```
On branch master
```

```
No commits yet
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
index.html
```

```
nothing added to commit but untracked files present (use "git add" to track)
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ git add index.html
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ git commit -m 'Changed'
```

```
[master (root-commit) 44f1039] Changed
```

```
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
create mode 100644 index.html
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ touch info.txt
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ 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: index.html
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
info.txt
```

```
no changes added to commit (use "git add" and/or "git commit -a")
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ touch .gitignore
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

```
$ 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: index.html
```

```
Untracked files:
```

```
(use "git add <file>..." to include in what will be committed)
```

```
.gitignore
```

```
no changes added to commit (use "git add" and/or "git commit -a")
```

```
ABHISHEK JHA@AJsSystem MINGW64 ~/Desktop/project_dir (master)
```

MINGW64/c:/Users/ABHISHEK JHA/desktop/project_dir

```
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

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:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git add .

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git commit -m 'Done'
[master 78cc193] Done
 1 file changed, 1 insertion(+), 1 deletion(-)

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git revert head
[master 21df30b] Revert "Done"
 1 file changed, 1 insertion(+), 1 deletion(-)

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 3 commits.
  (use "git push" to publish your local commits)

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:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git add index.html

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git commit -m 'Again Edited'
[master 9a6c55c] Again Edited
 1 file changed, 1 insertion(+), 1 deletion(-)

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)
$ git revert head
[master 902a07d] Revert "Again Edited"
 1 file changed, 1 insertion(+), 1 deletion(-)
```

MINGW64; c:/Users/ABHISHEK JHA/desktop/project_dir

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)

\$ git add index.html

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)

\$ git commit -m 'last Commit'

On branch master

Your branch is ahead of 'origin/master' by 5 commits.

(use "git push" to publish your local commits)

Untracked files:

(use "git add <file>..." to include in what will be committed)

myadd.txt

nothing added to commit but untracked files present (use "git add" to track)

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)

\$ git add .

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)

\$ git commit -m 'last Commit'

[master 2ddb4c7] last Commit

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 myadd.txt

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)

\$ git revert head

Removing myadd.txt

[master e9e0a4a] Revert "last Commit"

1 file changed, 0 insertions(+), 0 deletions(-)

delete mode 100644 myadd.txt

ABHISHEK JHA@AJsSystem MINGW64 ~/desktop/project_dir (master)

\$ |