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.

[user]

1. email = Aishwarya.Sathe@xoriant.com
2. [alias]
3. my-add= add
4. hist=log --pretty=format:'%h%ad | %s%d [%an]' --graph --date=short

sathe\_a@Aishwarya-ST MINGW64 ~

$ mkdir project\_dir

sathe\_a@Aishwarya-ST MINGW64 ~

$ cd project\_dir

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir

$ git init

Initialized empty Git repository in C:/Users/sathe\_a/project\_dir/.git/

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git status

On branch master

Initial commit

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)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "index commit"

[master (root-commit) d461286] index commit

1 file changed, 6 insertions(+)

create mode 100644 index.html

sathe\_a@Aishwarya-ST MINGW64 ~/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 checkout -- <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")

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git update-index --assume-unchanged C:\Users\sathe\_a\project\_dir

fatal: 'C:Userssathe\_aproject\_dir' is outside repository

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git rm --cached C:\Users\sathe\_a\project\_dir

fatal: C:Userssathe\_aproject\_dir: 'C:Userssathe\_aproject\_dir' is outside repository

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ echo "index.html" > .gitignore

sathe\_a@Aishwarya-ST MINGW64 ~/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 checkout -- <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

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

.gitignore

info.txt

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

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ echo "\*.txt" > .gitignore

sathe\_a@Aishwarya-ST MINGW64 ~/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 checkout -- <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")

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "index commit"

[master c588250] index commit

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git log

commit c5882506a493dc7b6d768021ec556355806a69e0

Author: Aishwarya Sathe <Aishwarya.Sathe@xoriant.com>

Date: Wed Jul 5 17:42:51 2017 +0530

index commit

commit d4612868afa22e85c253c8b5e5ee11d52b4b42c5

Author: Aishwarya Sathe <Aishwarya.Sathe@xoriant.com>

Date: Wed Jul 5 17:22:45 2017 +0530

index commit

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert index.html

fatal: bad revision 'index.html'

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ get diff index.html

bash: get: command not found

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ get reset c5882506a493dc7b6d768021ec556355806a69e0 index.html

bash: get: command not found

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git reset c5882506a493dc7b6d768021ec556355806a69e0 index.html

Unstaged changes after reset:

M index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "index commit"

On branch master

Changes not staged for commit:

modified: index.html

Untracked files:

.gitignore

no changes added to commit

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

error: Your local changes to the following files would be overwritten by merge:

index.html

Please commit your changes or stash them before you merge.

Aborting

fatal: revert failed

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "2nd index commit"

On branch master

Changes not staged for commit:

modified: index.html

Untracked files:

.gitignore

no changes added to commit

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "2nd index commit"

[master 559d347] 2nd index commit

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

[master ec0ff2d] Revert "2nd index commit"

1 file changed, 1 deletion(-)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

error: Your local changes would be overwritten by revert.

hint: Commit your changes or stash them to proceed.

fatal: revert failed

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "2nd index commit"

[master 1410e9d] 2nd index commit

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

[master 00561b7] Revert "2nd index commit"

1 file changed, 1 deletion(-)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git my-add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "my-add index commit"

On branch master

Untracked files:

.gitignore

nothing added to commit but untracked files present

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

[master f1f5067] Revert "Revert "2nd index commit""

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$

sathe\_a@Aishwarya-ST MINGW64 ~

$ mkdir project\_dir

sathe\_a@Aishwarya-ST MINGW64 ~

$ cd project\_dir

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir

$ git init

Initialized empty Git repository in C:/Users/sathe\_a/project\_dir/.git/

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On branch master

Initial commit

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[master (root-commit) d461286] index commit

1 file changed, 6 insertions(+)

create mode 100644 index.html

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$ git status

On branch master

Changes not staged for commit:

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

(use "git checkout -- <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

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info.txt

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sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git update-index --assume-unchanged C:\Users\sathe\_a\project\_dir

fatal: 'C:Userssathe\_aproject\_dir' is outside repository

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git rm --cached C:\Users\sathe\_a\project\_dir

fatal: C:Userssathe\_aproject\_dir: 'C:Userssathe\_aproject\_dir' is outside repository

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ echo "index.html" > .gitignore

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes not staged for commit:

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sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "index commit"

[master c588250] index commit

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git log

commit c5882506a493dc7b6d768021ec556355806a69e0

Author: Aishwarya Sathe <Aishwarya.Sathe@xoriant.com>

Date: Wed Jul 5 17:42:51 2017 +0530

index commit

commit d4612868afa22e85c253c8b5e5ee11d52b4b42c5

Author: Aishwarya Sathe <Aishwarya.Sathe@xoriant.com>

Date: Wed Jul 5 17:22:45 2017 +0530

index commit

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert index.html

fatal: bad revision 'index.html'

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ get diff index.html

bash: get: command not found

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ get reset c5882506a493dc7b6d768021ec556355806a69e0 index.html

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Unstaged changes after reset:

M index.html

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On branch master

Changes not staged for commit:

modified: index.html

Untracked files:

.gitignore

no changes added to commit

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

error: Your local changes to the following files would be overwritten by merge:

index.html

Please commit your changes or stash them before you merge.

Aborting

fatal: revert failed

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "2nd index commit"

On branch master

Changes not staged for commit:

modified: index.html

Untracked files:

.gitignore

no changes added to commit

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "2nd index commit"

[master 559d347] 2nd index commit

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

[master ec0ff2d] Revert "2nd index commit"

1 file changed, 1 deletion(-)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

error: Your local changes would be overwritten by revert.

hint: Commit your changes or stash them to proceed.

fatal: revert failed

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "2nd index commit"

[master 1410e9d] 2nd index commit

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

[master 00561b7] Revert "2nd index commit"

1 file changed, 1 deletion(-)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git my-add index.html

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git commit -m "my-add index commit"

On branch master

Untracked files:

.gitignore

nothing added to commit but untracked files present

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$ git revert HEAD

[master f1f5067] Revert "Revert "2nd index commit""

1 file changed, 1 insertion(+)

sathe\_a@Aishwarya-ST MINGW64 ~/project\_dir (master)

$