

# Assignment 1.1-

**Problem statement:** Use GIT as local VCS.

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.

```
hp@aa2410 MINGW64 ~
$ mkdir project_dir

hp@aa2410 MINGW64 ~
$ cd project_dir

hp@aa2410 MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/hp/project_dir/.git/

hp@aa2410 MINGW64 ~/project_dir (master)
$ touch index.html

hp@aa2410 MINGW64 ~/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)

hp@aa2410 MINGW64 ~/project_dir (master)
$ git add index.html

hp@aa2410 MINGW64 ~/project_dir (master)
$ git commit -m "adding index.html file"
[master (root-commit) 6584f5d] adding index.html file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html

hp@aa2410 MINGW64 ~/project_dir (master)
$ touch info.txt
```

8. Check git status. You should find index.html & info.txt as untracked files.

9. Configure GIT to ignore all txt files.

```
hp@aa2410 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 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")

hp@aa2410 MINGW64 ~/project_dir (master)
$ touch .gitignore

hp@aa2410 MINGW64 ~/project_dir (master)
$ git add .gitignore

hp@aa2410 MINGW64 ~/project_dir (master)
$ git commit -m "added gitignore"
[master 466df9b] added gitignore
1 file changed, 1 insertion(+)
 create mode 100644 .gitignore
git
```

 .gitignore - Notepad

File Edit Format View Help

\*.txt

10. Again check the git status. You should find only index.html as untracked file.

11. Stage & commit index.html

```
hp@aa2410 MINGW64 ~/project_dir (master)
$ git add .gitignore

hp@aa2410 MINGW64 ~/project_dir (master)
$ git commit -m "added gitignore"
[master abf4204] added gitignore
1 file changed, 1 insertion(+), 1 deletion(-)

hp@aa2410 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 restore <file>..." to discard changes in working directory)
        modified:   index.html

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

hp@aa2410 MINGW64 ~/project_dir (master)
$ git add index.html

hp@aa2410 MINGW64 ~/project_dir (master)
$ git commit -m "added modified index.html"
[master 8b7cf68] added modified index.html
1 file changed, 1 insertion(+)
```

12. Log all your comments so far.

```
hp@aa2410 MINGW64 ~/project_dir (master)
$ git log
commit 8b7cf682d0e891a6ca034dd9e86369ac72e57e3f (HEAD -> master)
Author: amlanbehera <absp.home@gmail.com>
Date: Sat Feb 5 01:54:39 2022 +0530

    added modified index.html

commit abf4204346635ff5820f3622ca9219a8958ed3b9
Author: amlanbehera <absp.home@gmail.com>
Date: Sat Feb 5 01:53:06 2022 +0530

    added gitignore

commit 466df9b37ba8812e80d9c1c8805ae0113b71248e
Author: amlanbehera <absp.home@gmail.com>
Date: Sat Feb 5 01:42:35 2022 +0530

    added gitignore

commit 6584f5df33d365f9753c3d70d722b83048a1b24a
Author: amlanbehera <absp.home@gmail.com>
Date: Sat Feb 5 01:30:15 2022 +0530

    adding index.html file

hp@aa2410 MINGW64 ~/project_dir (master)
$ |
```

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.

```
hp@aa2410 MINGW64 ~/project_dir (master)
$ git restore index.html

hp@aa2410 MINGW64 ~/project_dir (master)
$ git add index.html

hp@aa2410 MINGW64 ~/project_dir (master)
$ git reset
Unstaged changes after reset:
M      index.html
```

18. Rename 'add' command to 'my-add'.

19. Using my\_add command Stage index.html again & commit the changes.

20. Revert the last commit

```
hp@aa2410 MINGW64 ~/project_dir (master)
$ alias my_add='git add'

hp@aa2410 MINGW64 ~/project_dir (master)
$ my_add index.html

hp@aa2410 MINGW64 ~/project_dir (master)
$ git commit -m "committing the changes"
[master c241275] committing the changes
1 file changed, 2 insertions(+), 1 deletion(-)

hp@aa2410 MINGW64 ~/project_dir (master)
$ git status
On branch master
nothing to commit, working tree clean

hp@aa2410 MINGW64 ~/project_dir (master)
$ git reset
```