**Git and Github Assignment – A1**

Section A1 - Use GIT as local VCS. Steps to follow:

1. Create a directory 'project dir' & cd to 'project dir'.

Ans:- mkdir project\_dir & cd project\_dir

2. Initialize git version database. (git init)

Ans:- git init

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

3. Create a new file index.html.

Ans:- touch index.html

4. Check the git status. You should find index.html as untracked file.

Ans:- 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)

5. Stage the index.html file.

Ans:- git add index.html

6. Commit index.html

Ans:- git commit -m "This is my first html file"

[master (root-commit) 8e6fd6f] This is my first html file

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

create mode 100644 index.html

7. Make few changes in index.html & create a new file info.txt file.

Ans:- git commit -m "This is my first html file"

[master (root-commit) 8e6fd6f] This is my first html file

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

create mode 100644 index.html

&

touch index.html

8. Check git status. You should find index.html

Ans:- 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

9. Configure GIT to ignore all txt files. & info.txt as untracked files.

Ans:- git add index.html

git config --global user.name "Bhushan Bire"

git config --global user.email [b55bhushan@gmail.com](mailto:b55bhushan@gmail.com)

&

git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: index.html

Untracked files:

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

info.txt

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

Ans:- git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

deleted: index.html

Untracked files:

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

index.html

info.txt

11. State & commit index.html

Ans:- git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: index.html

new file: info.txt

12. Log all your comments so far.

Ans:- git log

commit 8e6fd6ff78ecfdabcbda2a981e4e448214e278e7 (HEAD -> master)

Author: Bhushan Bire <b55bhushan@gmail.com>

Date: Sat May 15 13:28:02 2021 +0530

This is my first html file

13. Make some changes in index.html.

Ans:- git commit -m "first change in html file"

[master 264be02] first change in html file

3 files changed, 2 insertions(+)

create mode 100644 index.html

create mode 100644 info.txt

14. Revert the change made in the previous step using git command.

Ans:- git revert HEAD

[master ebc8406] Revert “first change in html file”

1 file changed, 1 insertion(+), 1 deletion(-)

15. Again change index.html.

Ans:- 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")

16. Stage index.html

Ans:- git add index.html

17. Revert back the last stage.

Ans:- git revert HEAD

[master ebdf371] Revert "second change in html file"

1 file changed, 1 insertion(+), 1 deletion(-)

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

Ans:- git config --global alias.my-add add

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

Ans:- git my-add index.html

&

git commit index.html

On branch master

nothing to commit, working tree clean

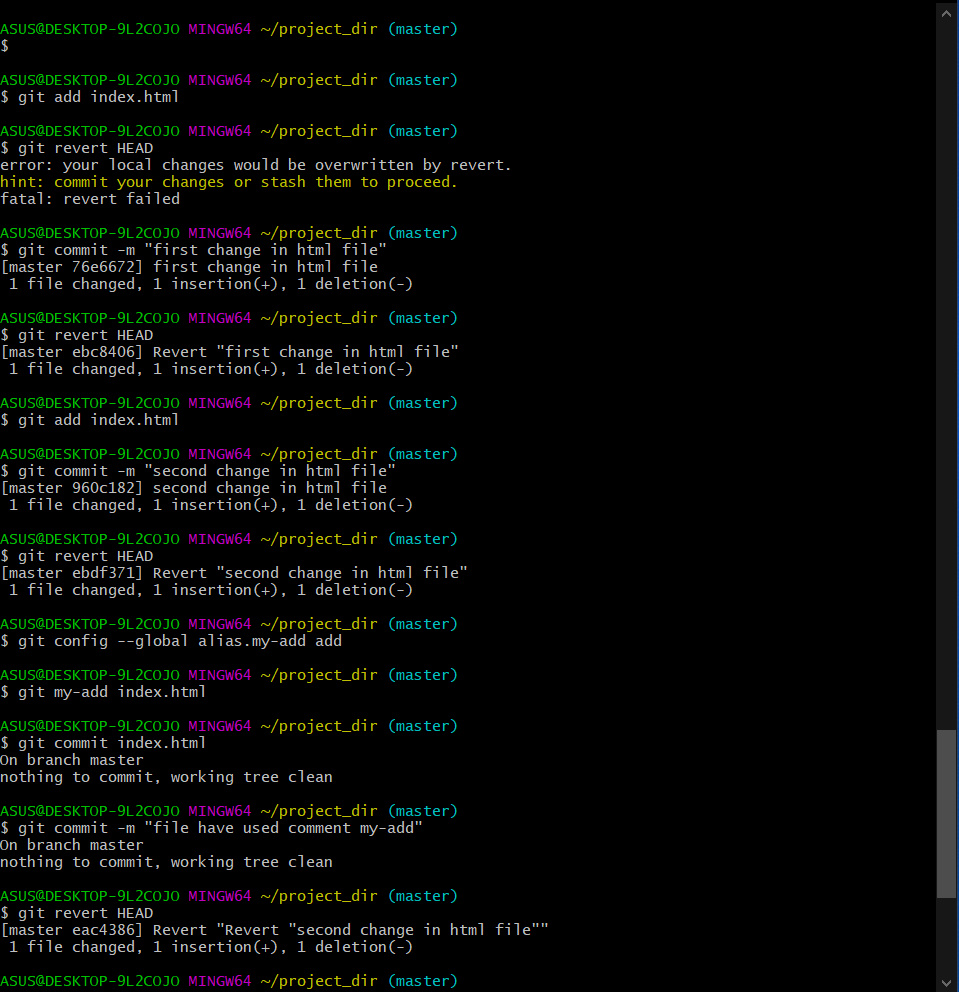
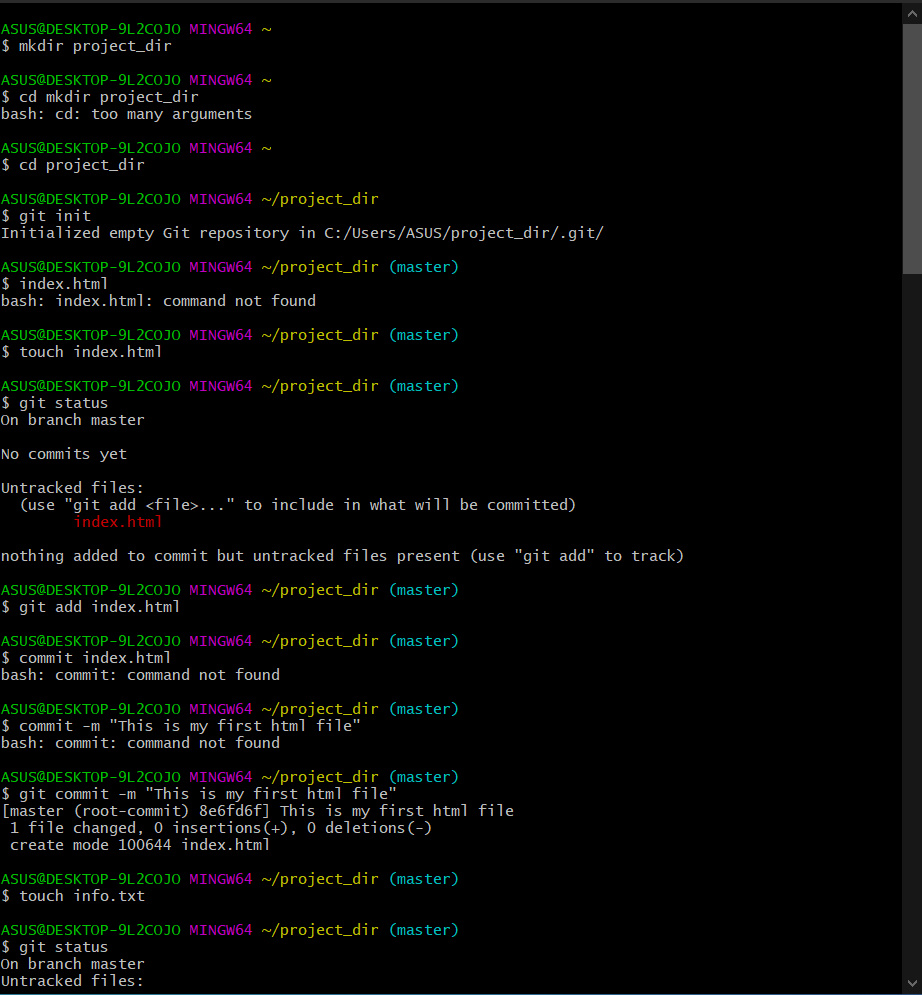
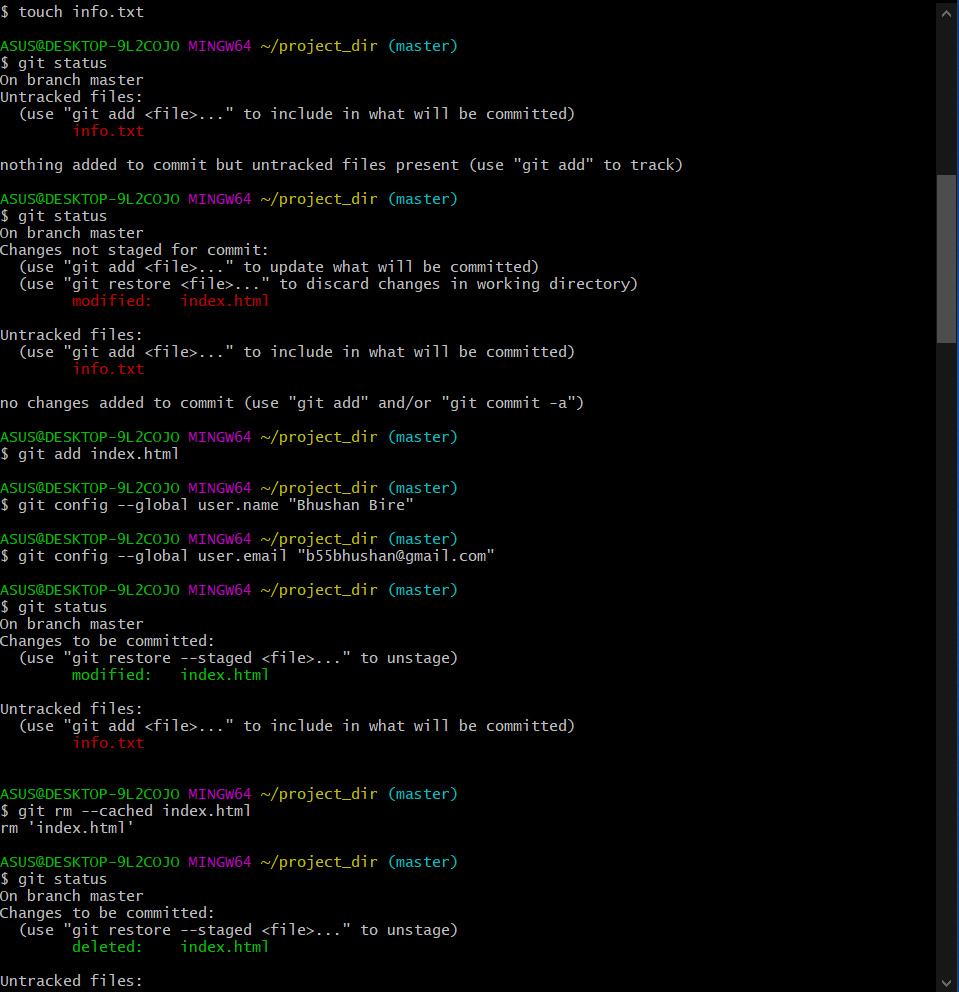
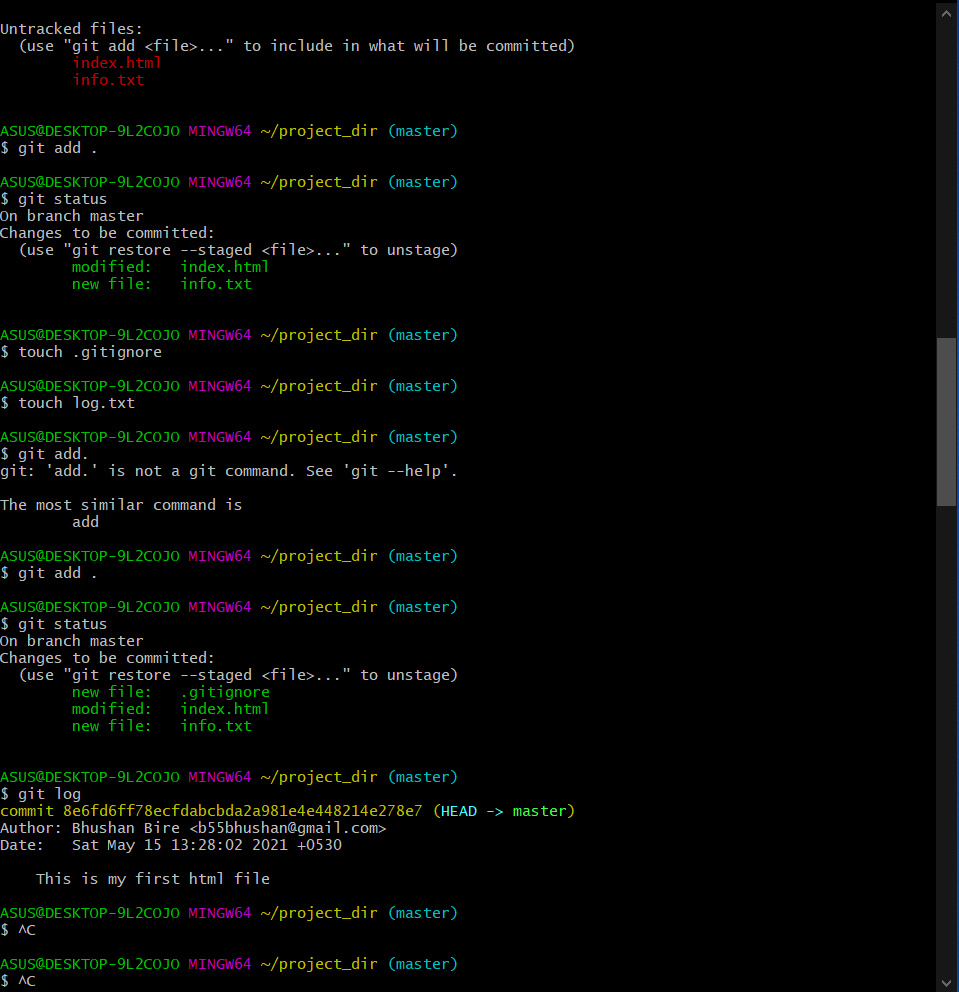
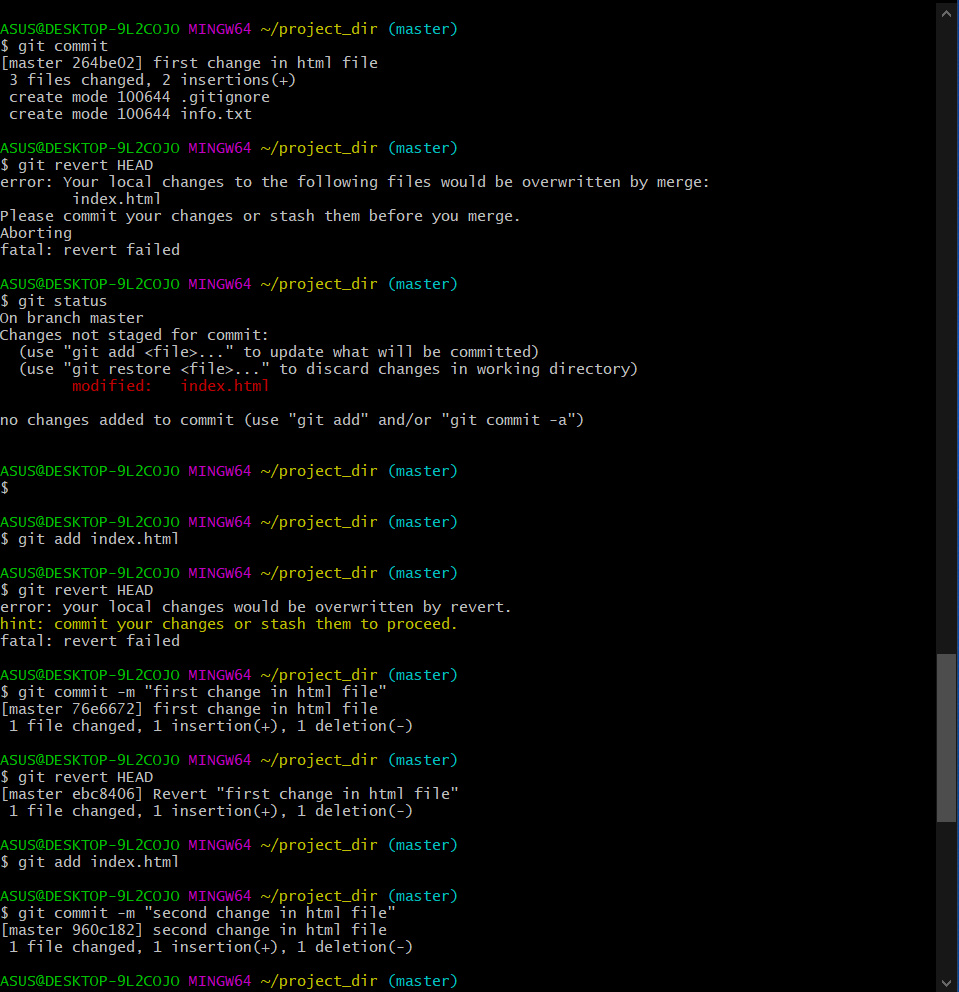
20. Revert the last commit.

Ans:- git revert HEAD

[master eac4386] Revert "Revert "second change in html file""

1 file changed, 1 insertion(+), 1 deletion(-)

**Screenshots:-**

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