**VCS EXERCISE SOLVED**

Ans 1.roma@roma:~$ apt-get install git

Ans 2. roma@roma:~$ git init

Ans 3.git add file1.txt

git config --global user.email "roma.bhatnagar@tothenew.com"

git config --global user.name "romabhatnagar"

Ans 4.roma@roma:git rm --cached <file2.txt>

Ans 5. roma@roma:git commit -m "commit"

Ans 6. git remote add origin https://github.com/romabhatnagar/demo.git

Ans 7.Type u in vim while in the vim editor OR git reset a.txt

Ans 8.roma@roma:git push origin master

Ans 9.roma@roma:git clone “https://github.com/romabhatnagar/demo.git”

Ans 10. echo “making changes to a.txt”>>a.txt

git add

git commit -m “file contents changed”

git merge B

git checkout B

git pull origin A

Ans 11.roma@roma:~/.ssh$ git diff

Ans 12. In git.ignore file add the files to be ignored-

file3.txt

git add git.ignore

Ans 13. roma@roma: $git branch A

$git branch B

Ans 14.

$git checkout A

$git add a1.txt

$git add a2.txt

$git checkout B

$git add b1.txt

$git add b2.txt

$git checkout master

$git commit -m “diversion”

$git push -u origin master

Ans 15.roma@roma:~/.ssh$ echo "Hello world" >> a1.txt

roma@roma:~/.ssh$ cat a1.txt

Ans 16.~/.ssh$ git checkout A

Switched to branch 'A'

roma@roma:~/.ssh$ echo "changing a1 file">> a1.txt

roma@roma:~/.ssh$ cat a1.txt

changing a1 file

roma@roma:~/.ssh$ git checkout B

Switched to branch 'B'

roma@roma:~/.ssh$ echo "changing a1 file from branch B">> a1.txt

roma@roma:~/.ssh$ cat a1.txt

changing a1 file

changing a1 file from branch B

roma@roma:~/.ssh$ git commit -m "commit"

git push origin master

git checkout A

vim conflict.txt

git commit -m "A"

git push origin master

git merge master

Auto-merging conflict.txt

CONFLICT (add/add): Merge conflict in conflict.txt // Conflict is being shown

Automatic merge failed; fix conflicts and then commit the result.

git rebase master

To resolve:

roma@roma:~/.ssh$ git diff

diff --cc .ssh/a1.txt

index 8f51db2,491a7d5..0000000

--- a/.ssh/a1.txt

+++ b/.ssh/a1.txt

@@@ -1,1 -1,1 +1,5 @@@

++<<<<<<< HEAD

+changes fom b

++=======

+ making chnges

++>>>>>>> A

Ans 17. roma@roma:~/.ssh$ git checkout A

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

.ssh/a1.txt

Please, commit your changes or stash them before you can switch branches.

Aborting

roma@roma:~/.ssh$ git stash

Saved working directory and index state WIP on master: 8c0839d diverged

HEAD is now at 8c0839d diverged

Ans 18. In bashrc added