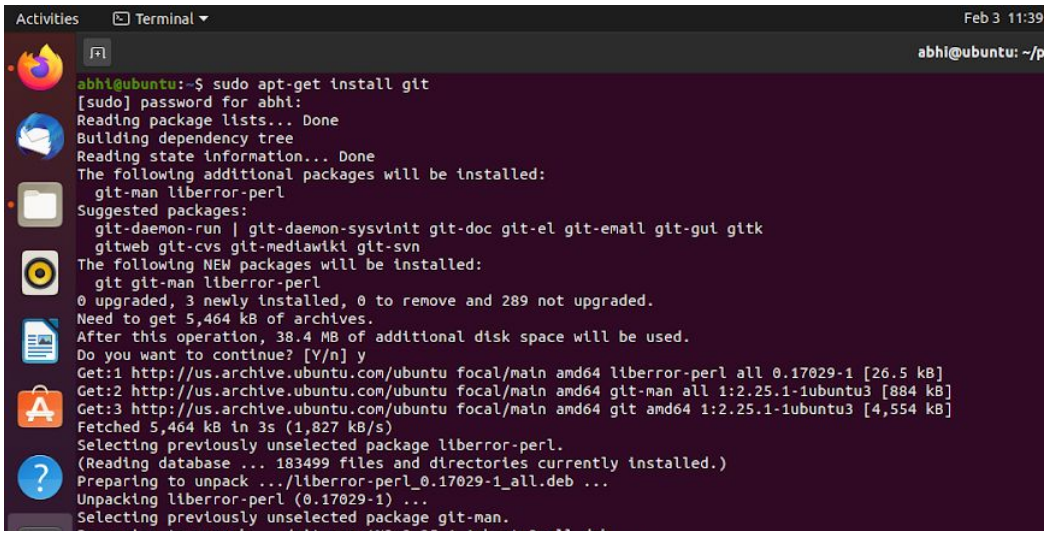
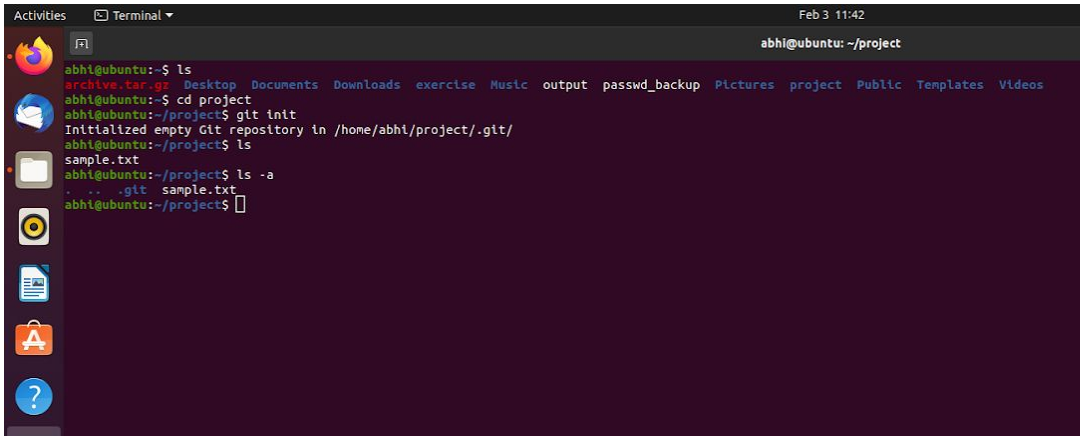
1. Git Setup

   Command: sudo apt -get install git

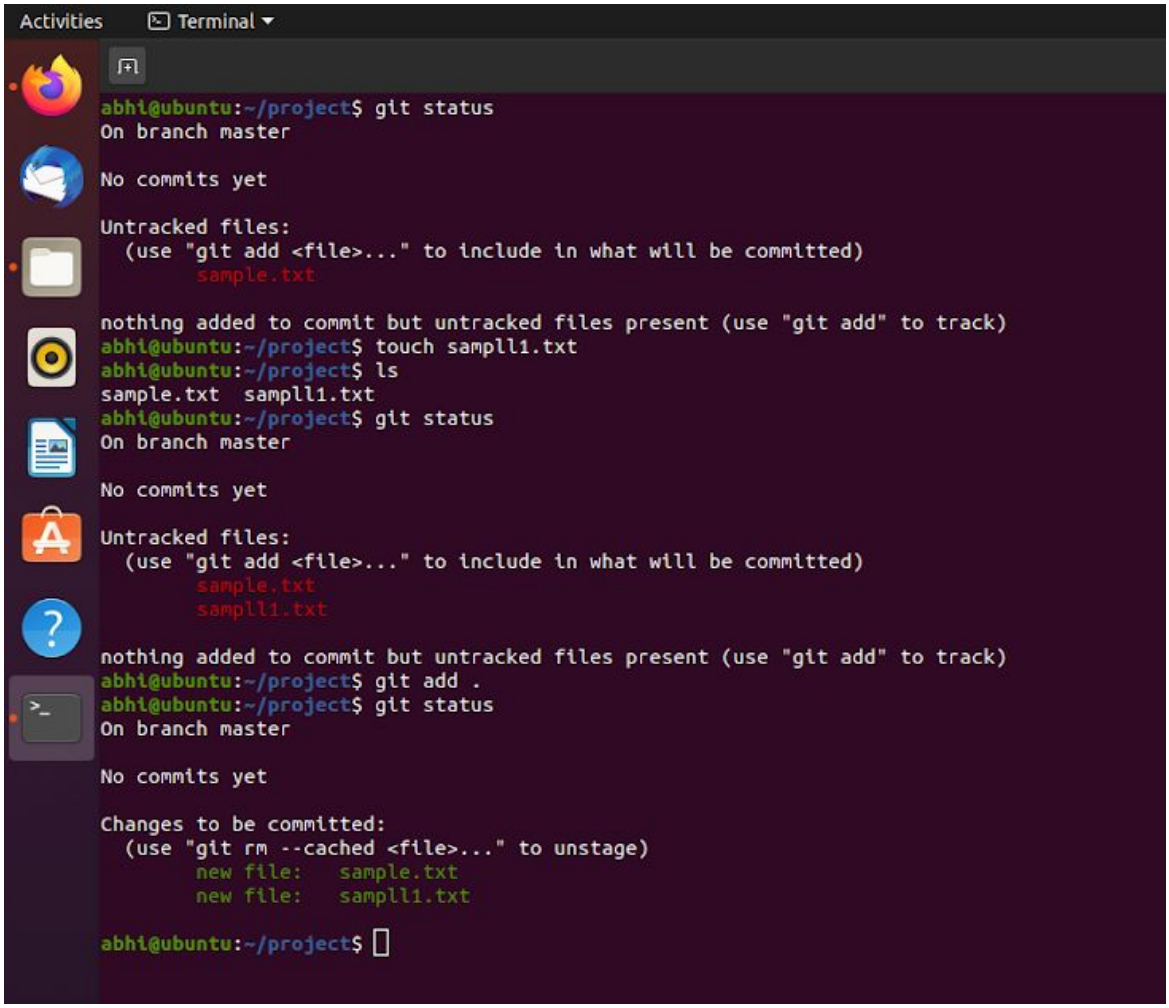


2. Initialize a Git Repository
Command: git init

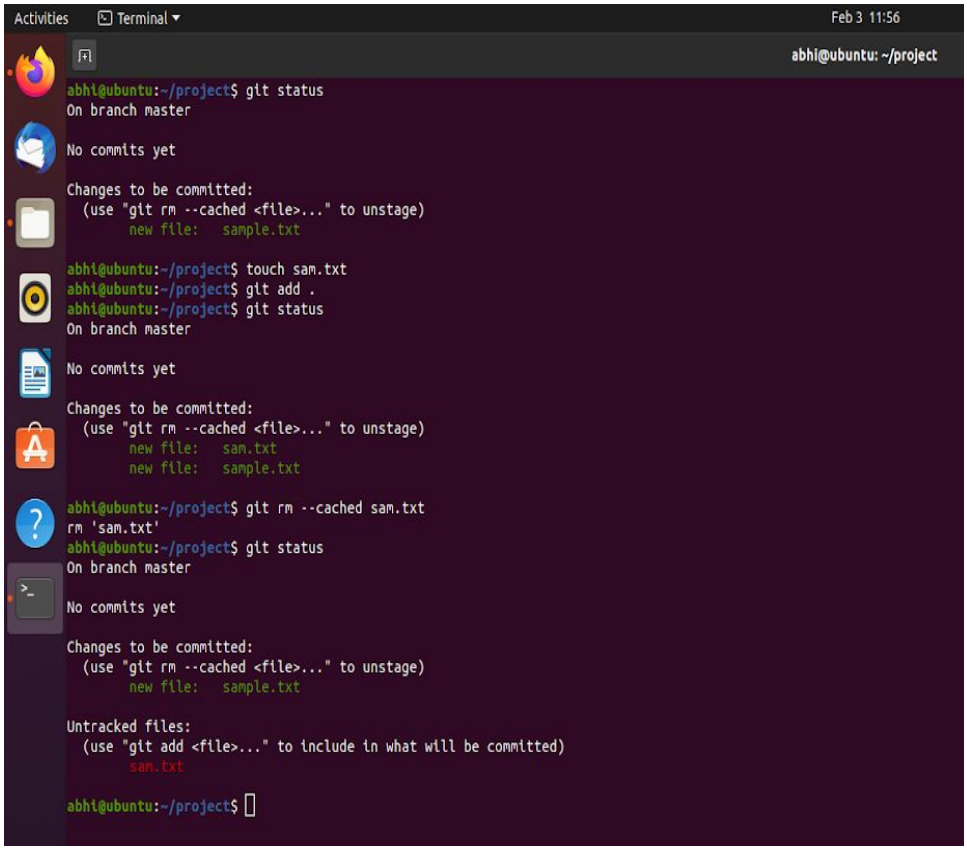


3. Add files to the repository

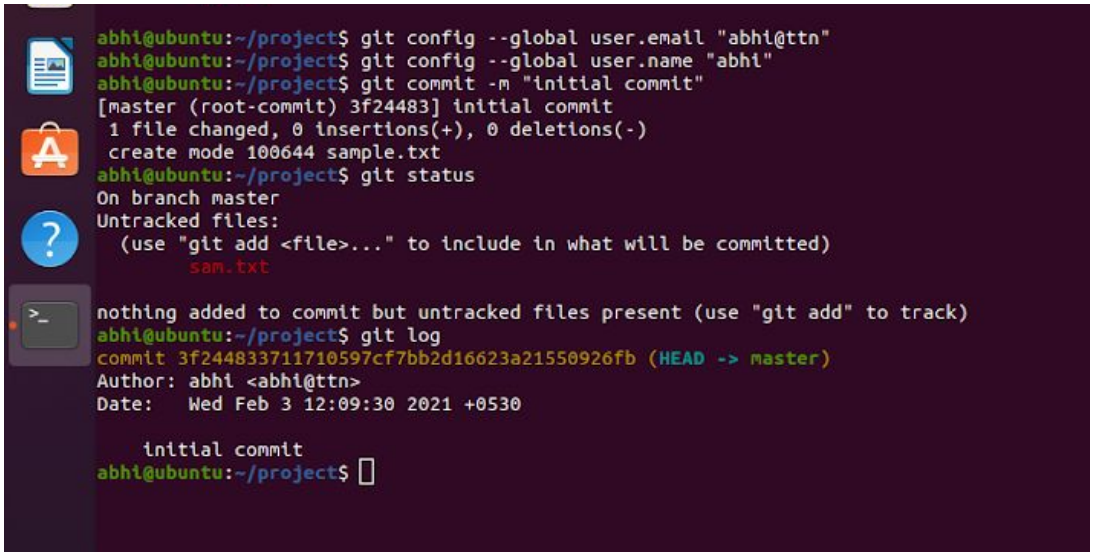
Command: git add .



4. Unstage 1 file
Command: git rm -f sampll1.txt



5. Commit the file
Command:

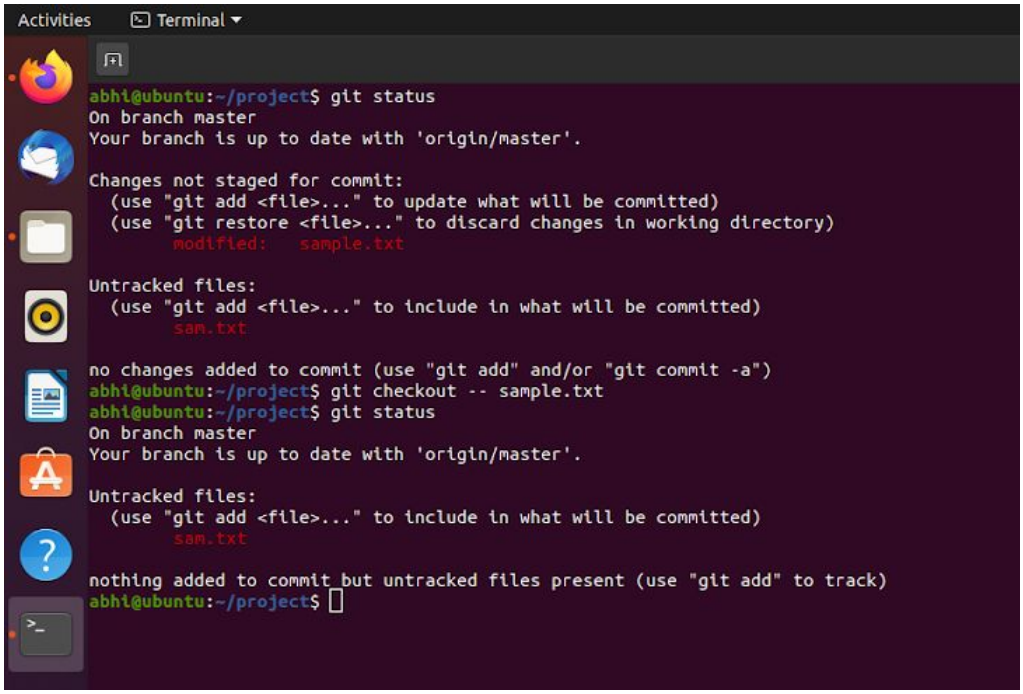


6. Add a remote

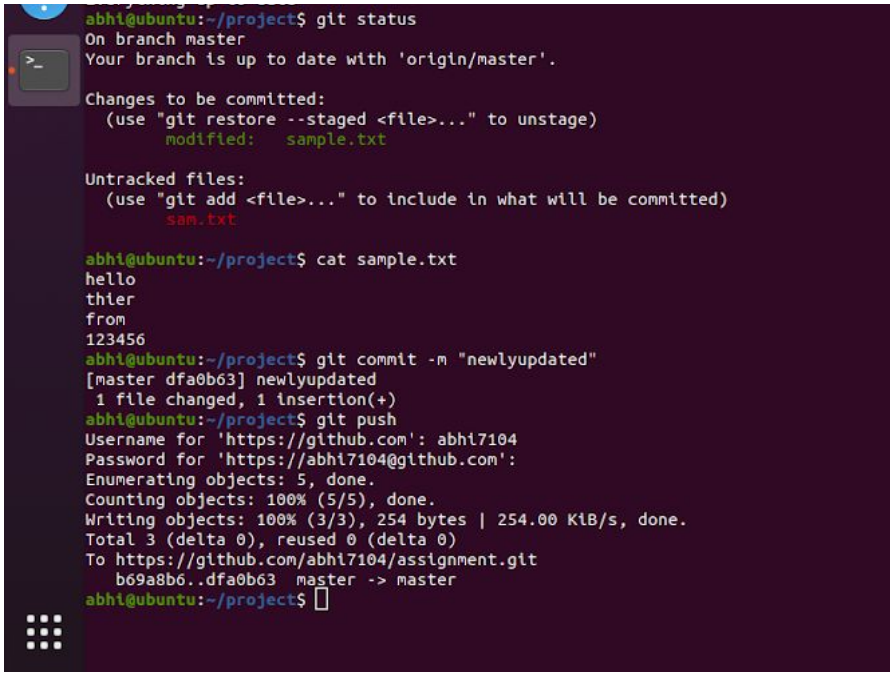
Command: git commit -m “inital commit”

7. Undo changes to a particular file

Command: git checkout -- sample.txt

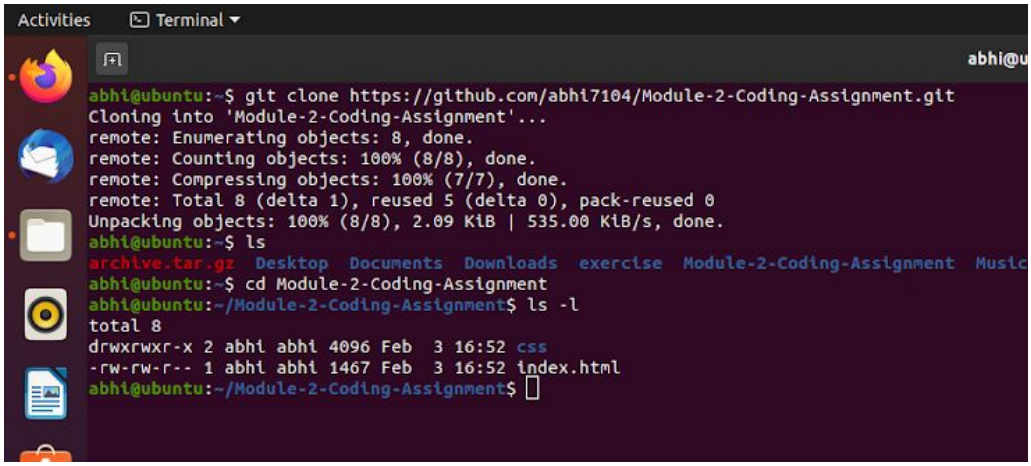


8. Push changes to Github
Command: git push



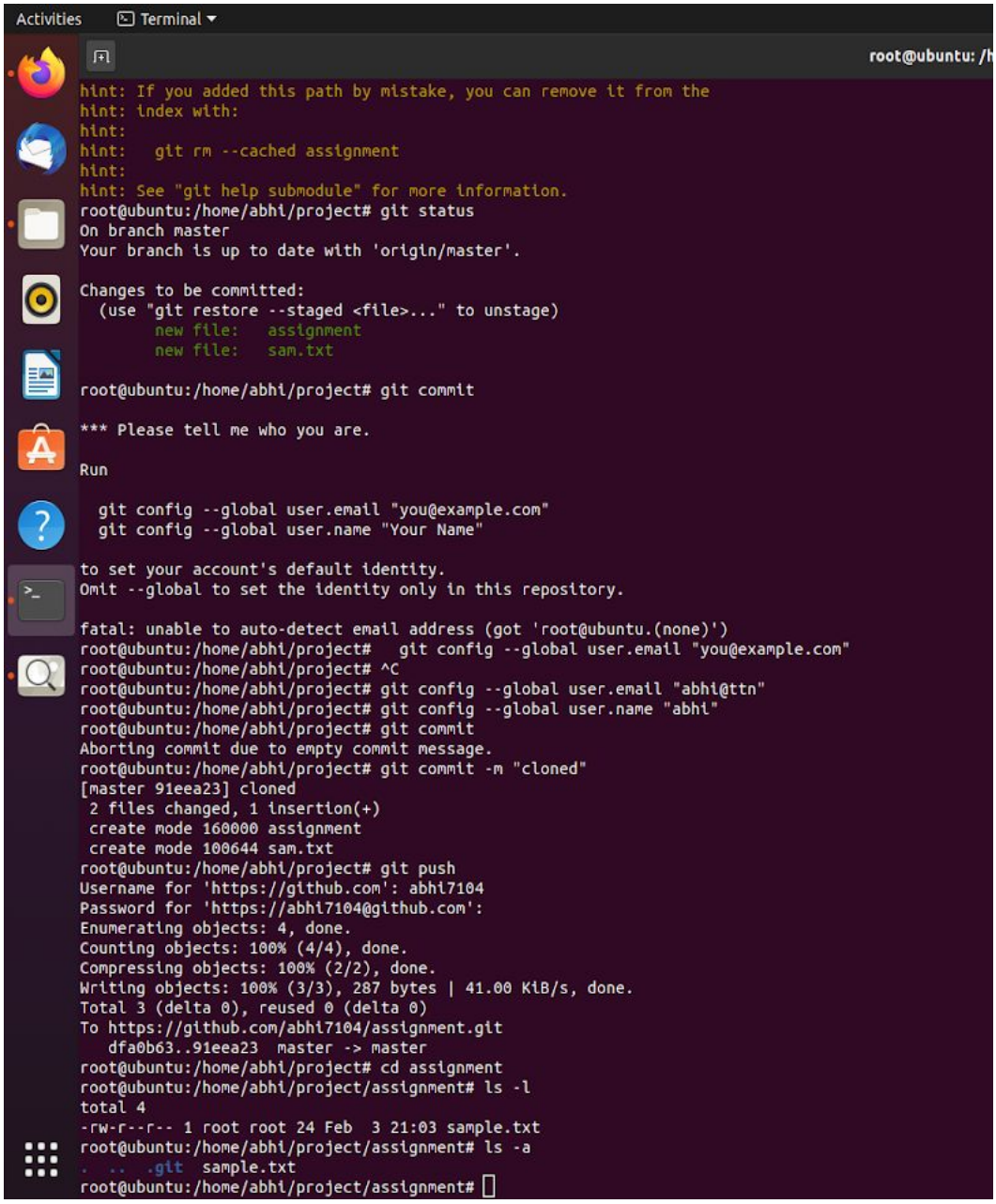
9. Clone the repository

Command: git clone https://github.com/abhi7104/assignment.git



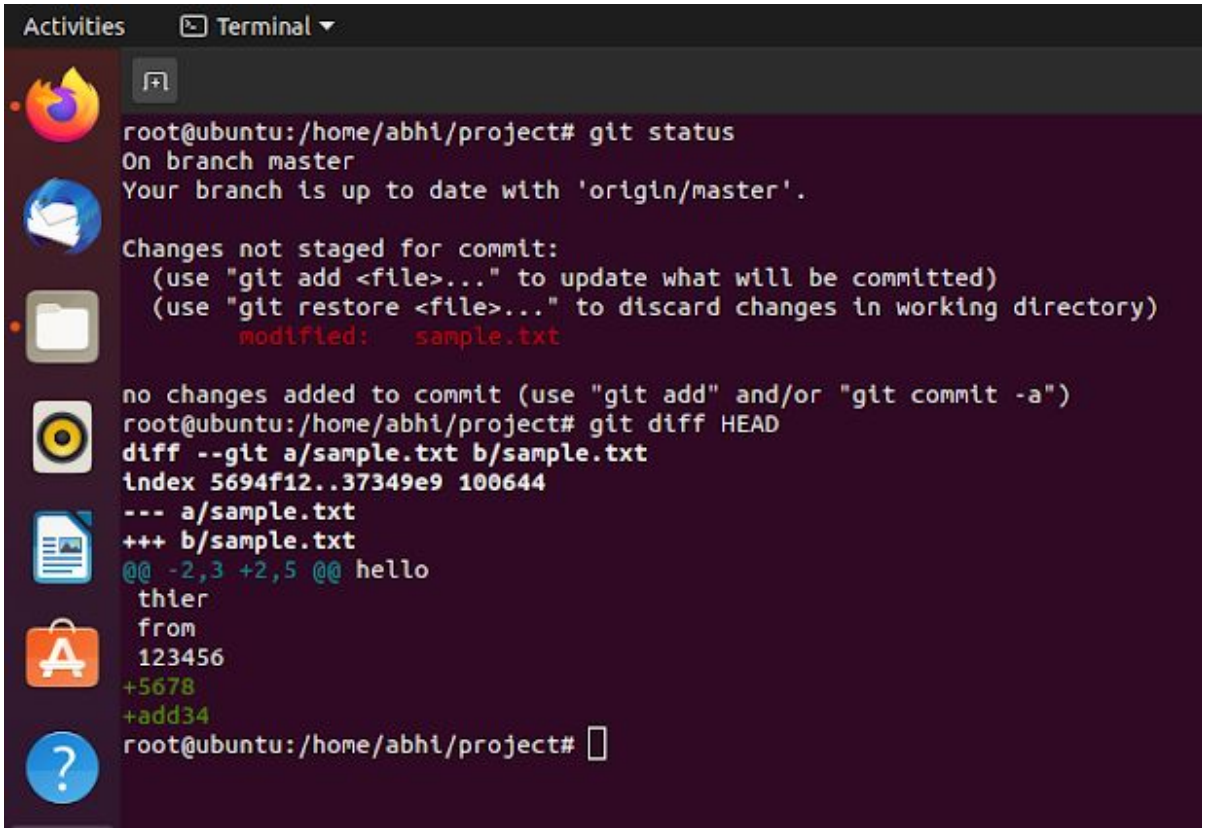
10. Add changes to one of the copies and pull the changes in the other.

Command: git add .
git commit -m “cloned”
git push



11. Check differences between a file and its staged version

Command: git diff HEAD

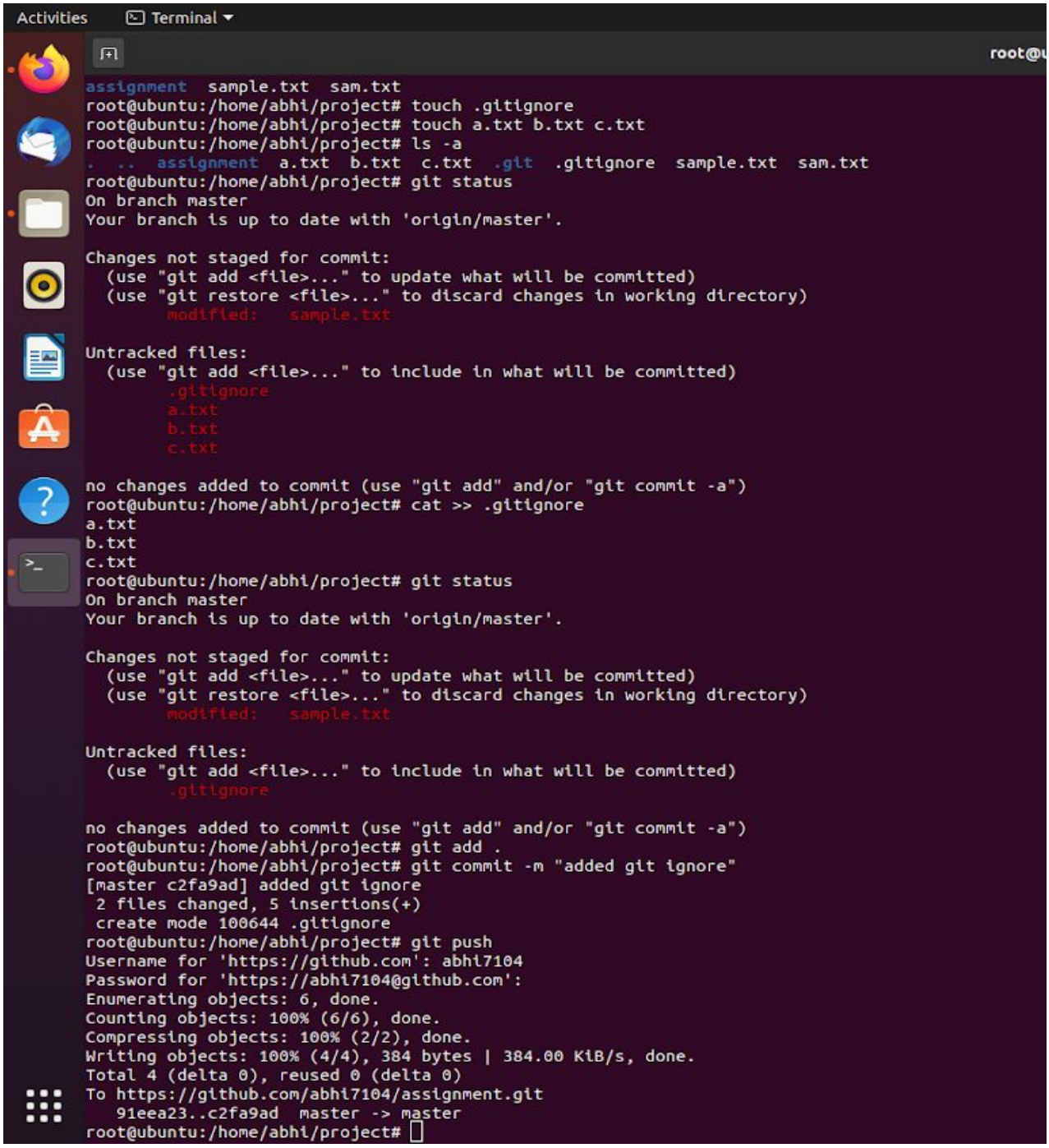


12.Ignore a few files to be checked in

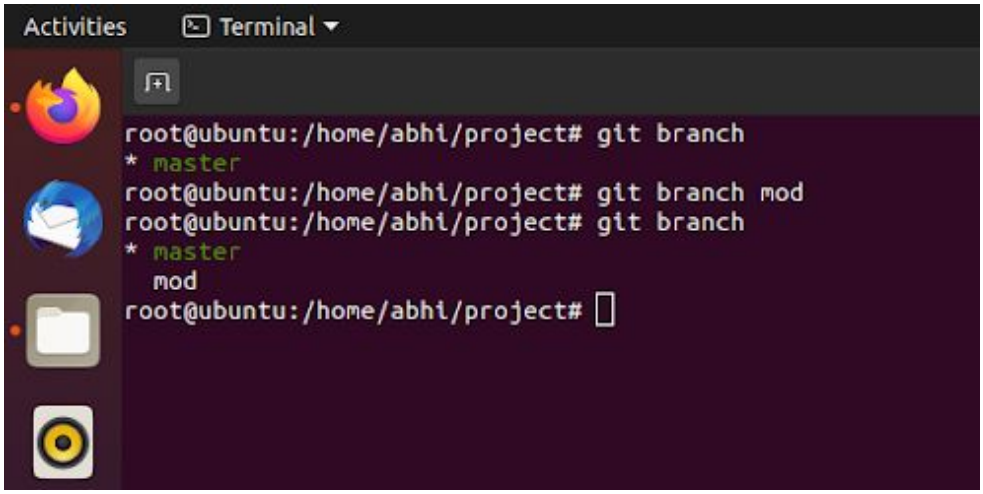
Command: touch .gitignore

cat >> .gitignore

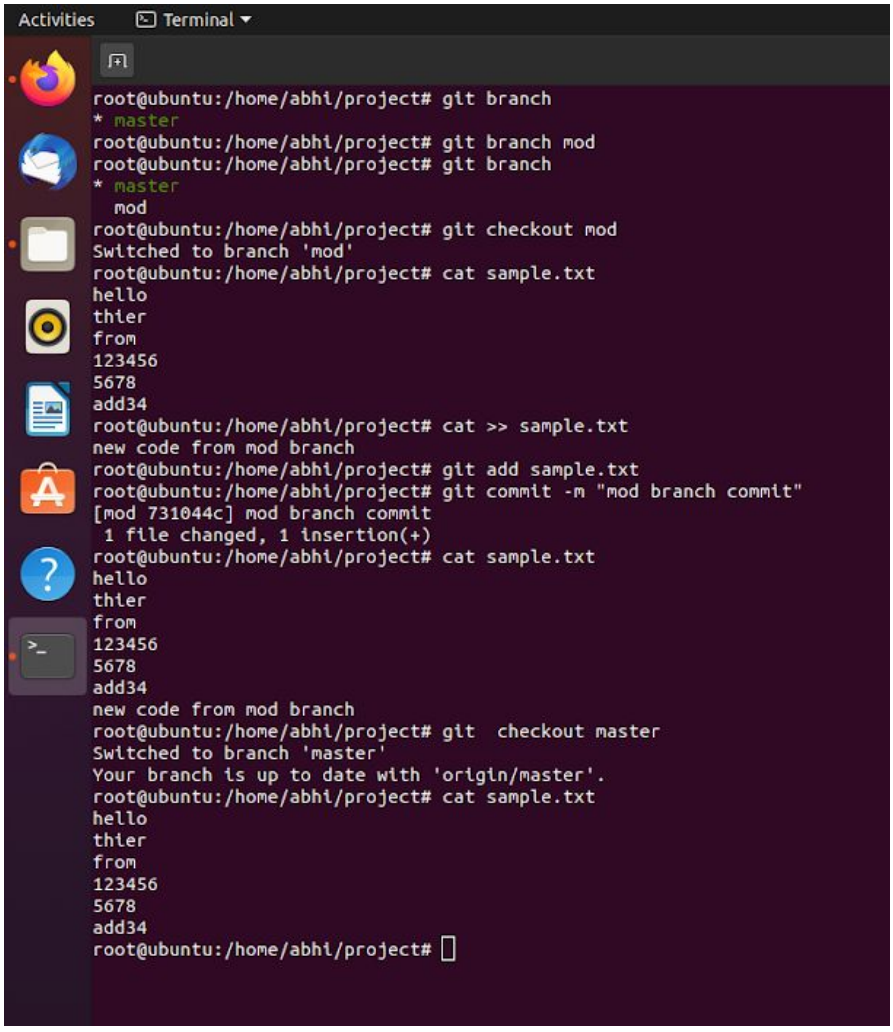
A.txt b.txt c.txt



13. Create a new branch.
Command: git branch mod

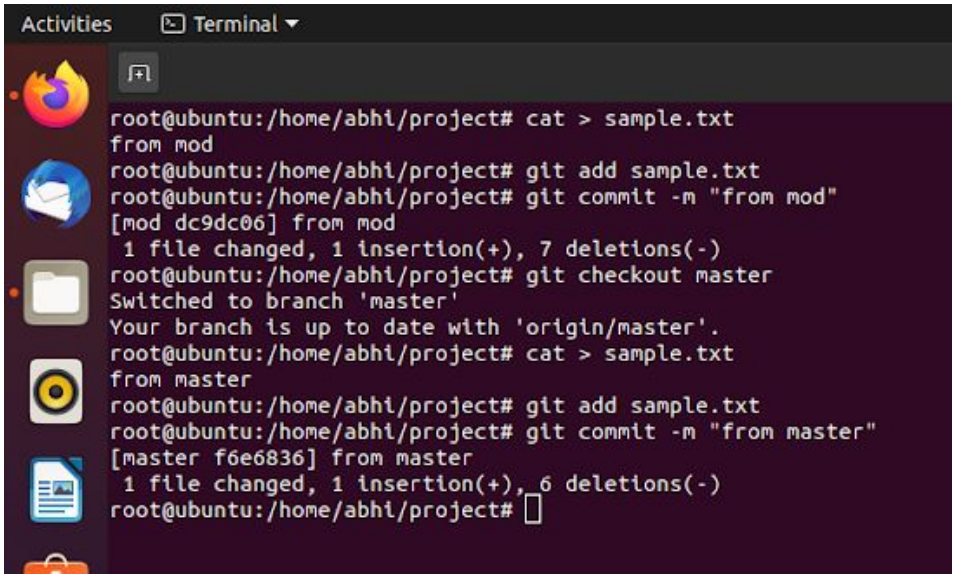


14. Diverge them with commits
Command: git brach mod, git checkout mod

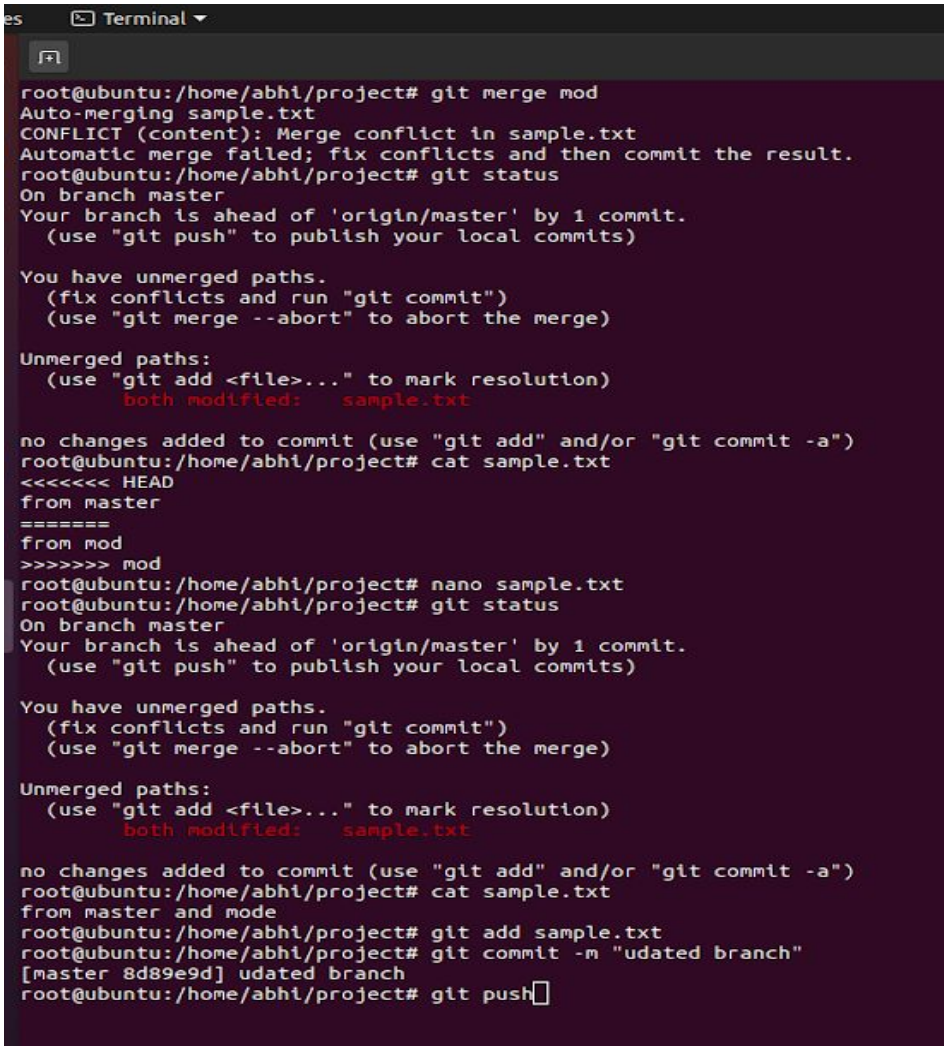


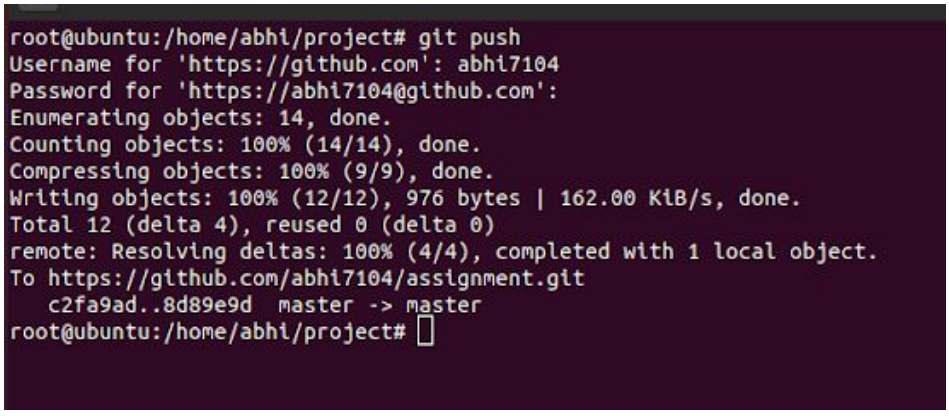
15. Edit the same file at the same line on both branches and commit

Command: git checkout mod , git checkout master
cat > sample.txt , cat > sample.txt
git add sample.txt , git add sample.txt
git commit -m “from mod” ,git commit -m “from master”



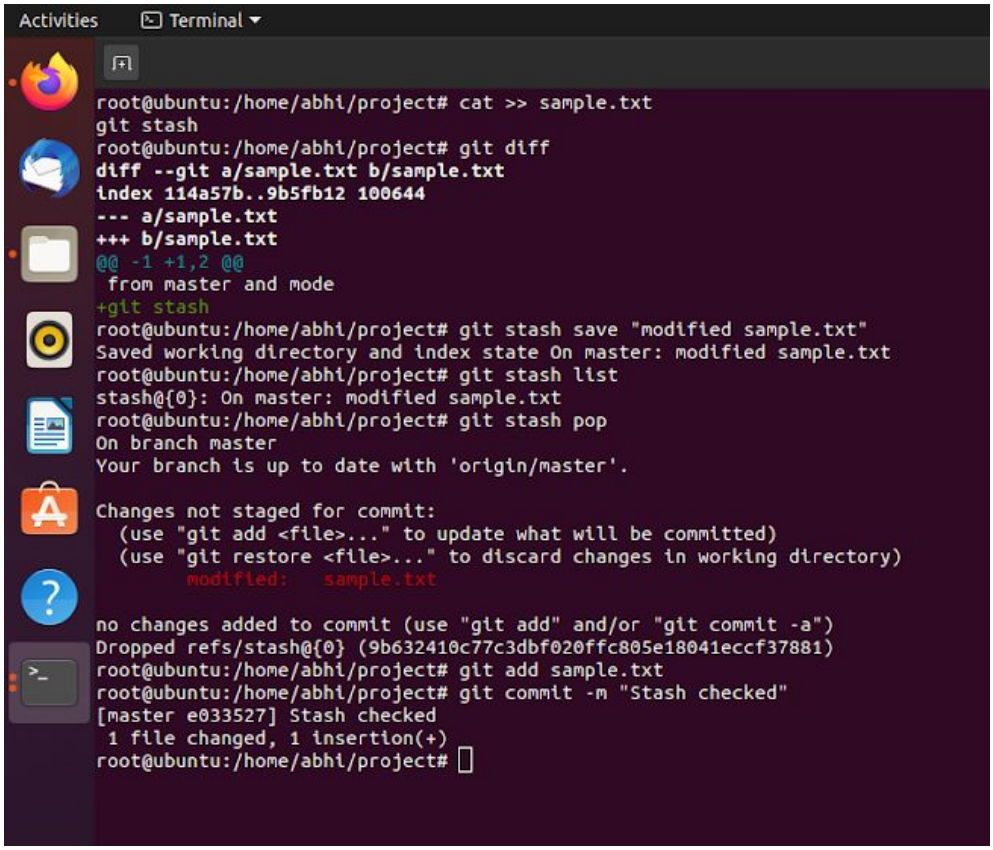
16. Try merging and resolve merge conflicts
Command: git merge mod





17. Stash the changes and pop them

Command: git stash save “modified sample.txt”
git stash list
git stash pop



18. Add the following code to your .bashrc file : color_prompt="yes"

```
parse_git_branch() {
git branch 2> /dev/null | sed -e '/^[^*]/d' -e 's/* \(.*\)/(\1)/'
}
if [ "$color_prompt" = yes ]; then
PS1='\u@\h\[\033[00m\]:\[\033[01;34m\]\W\[\033[01;31m\]
$(parse_git_branch)\[\033[00m\]\$ '
else
PS1='\u@\h:\W $(parse_git_branch)\$ '
fi
unset color_prompt force_color_prompt
```

Command: cat >> .bashrc