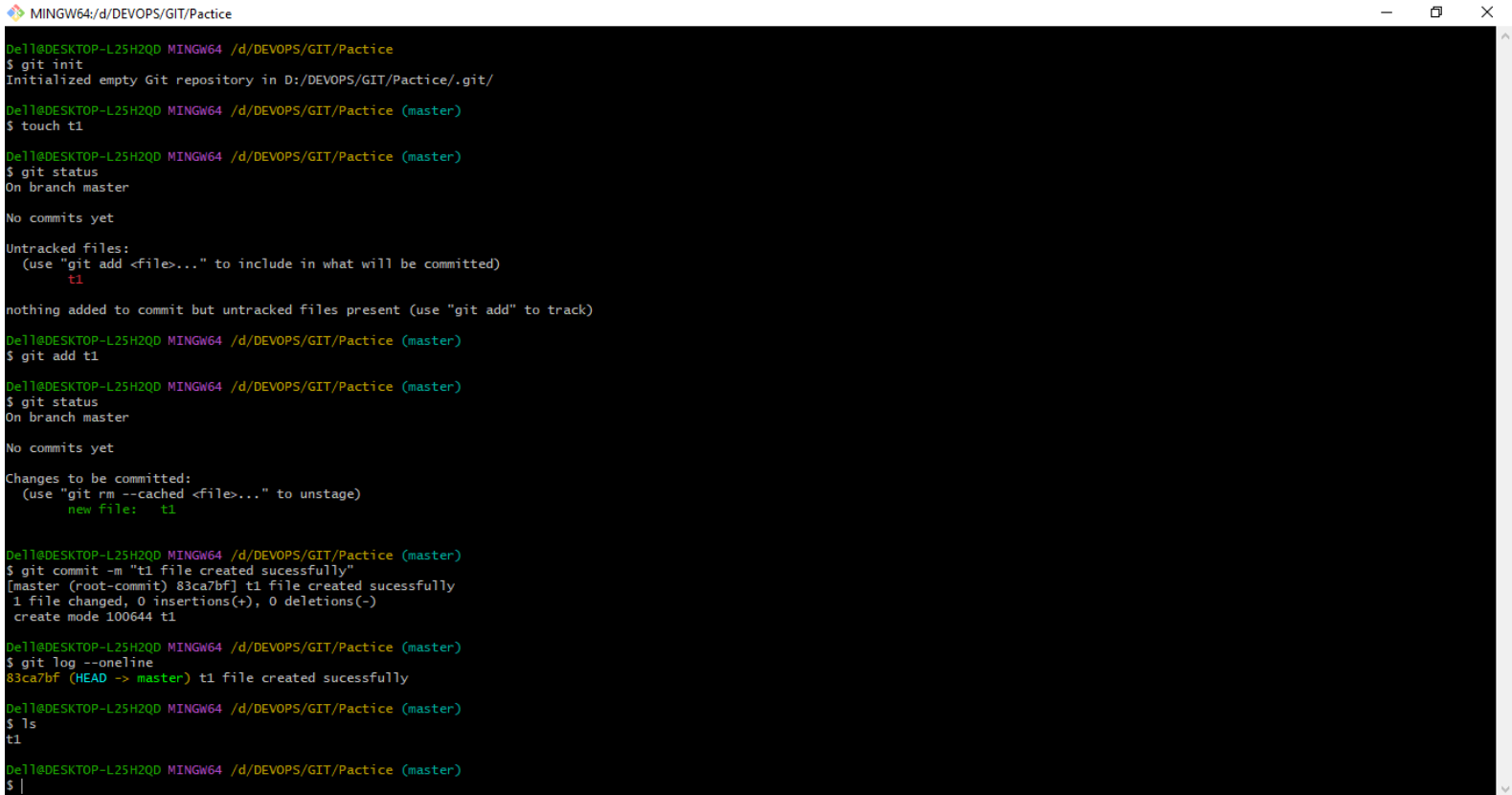
GIT Commands and Their Outputs

Shashanka K T

git init , touch <filename> , git status , git add <filename>,git commit -m “message”,

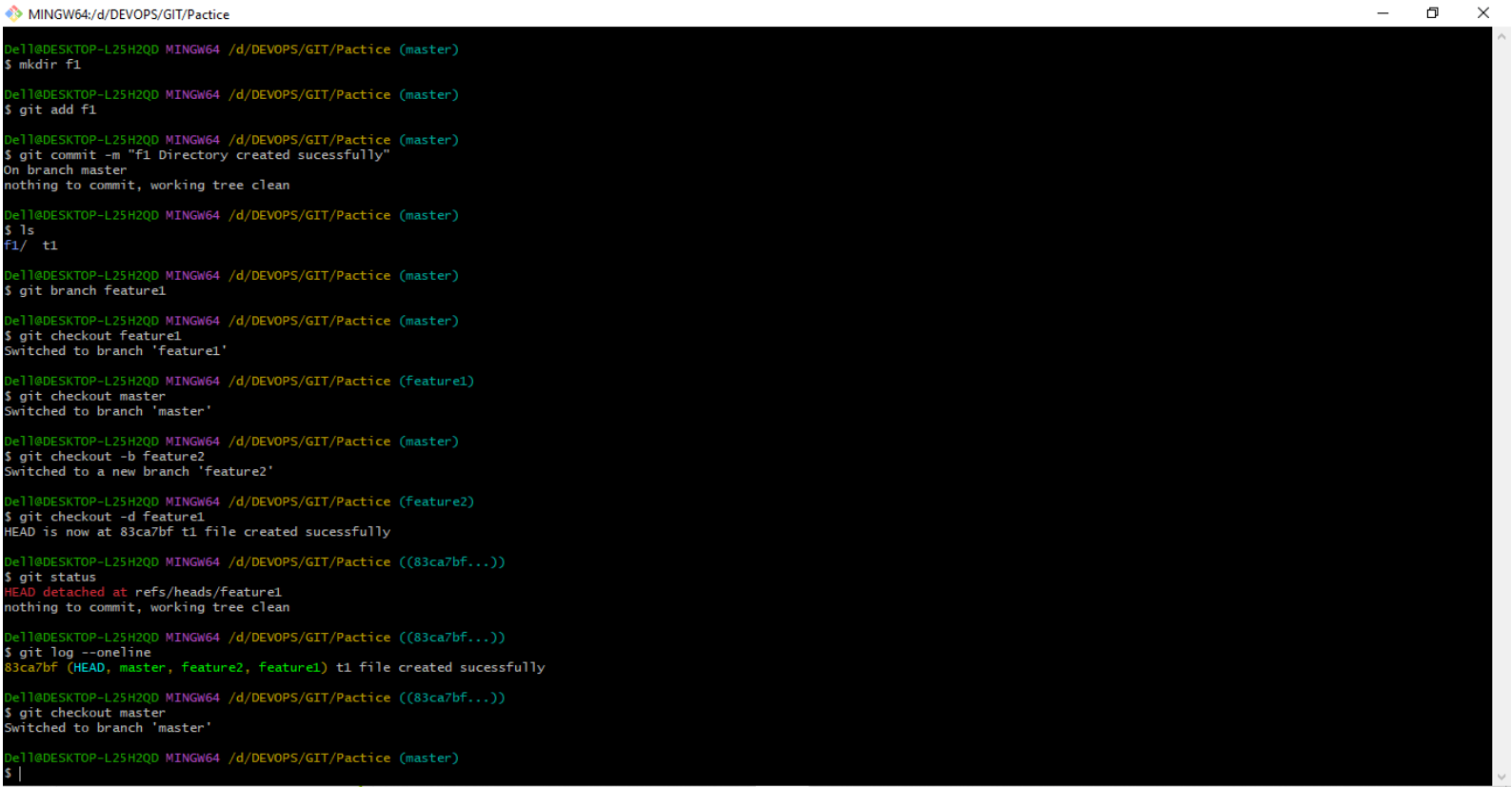
git log or git log –oneline,ls



GIT Commands and Their Outputs

Shashanka K T

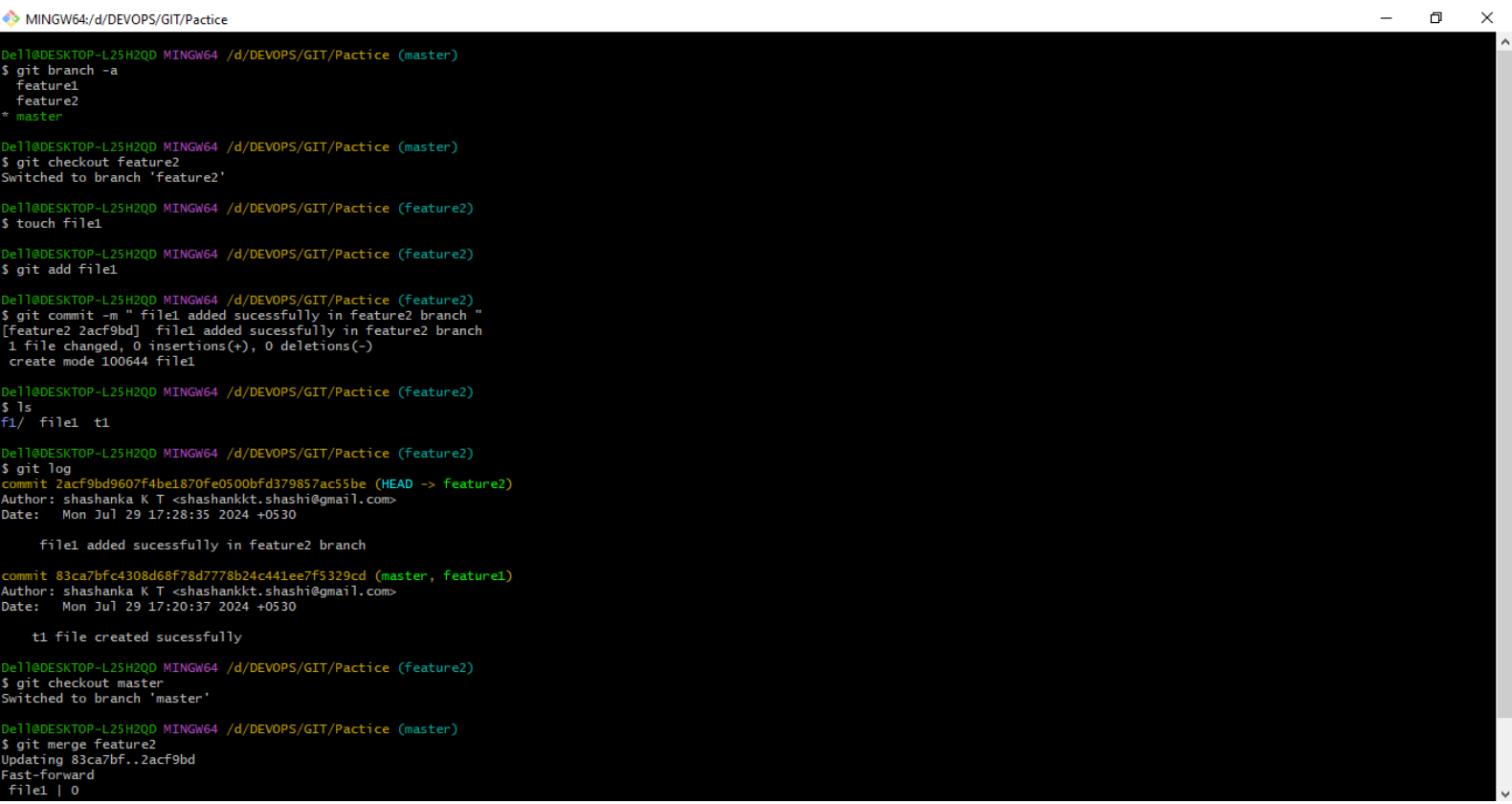
mkdir <directory name>,git branch <branch name>,git checkout <branch name>,
git checkout -b <branch name >



GIT Commands and Their Outputs

Shashanka K T

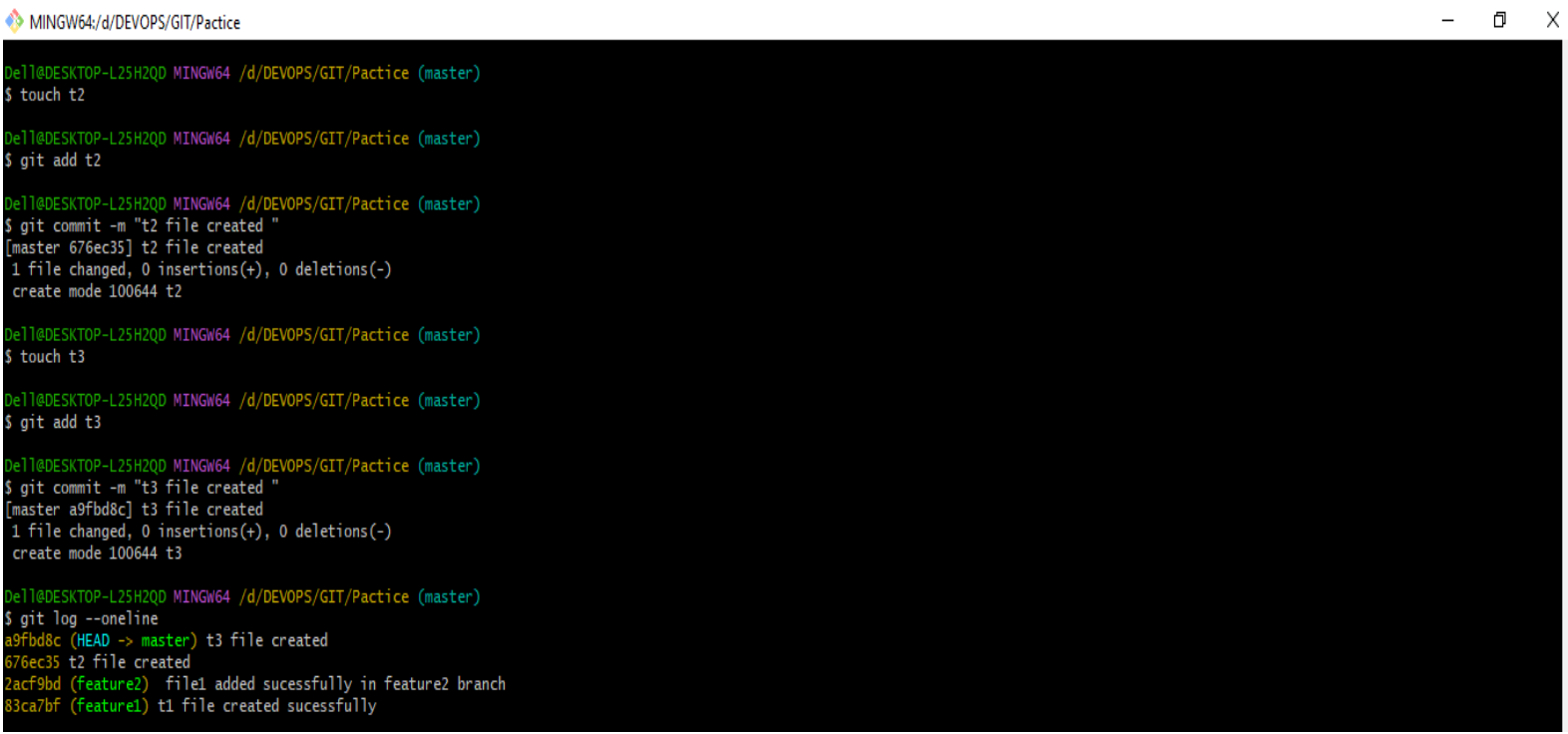
git branch -a, git merge <branch name>



GIT Commands and Their Outputs

Shashanka K T

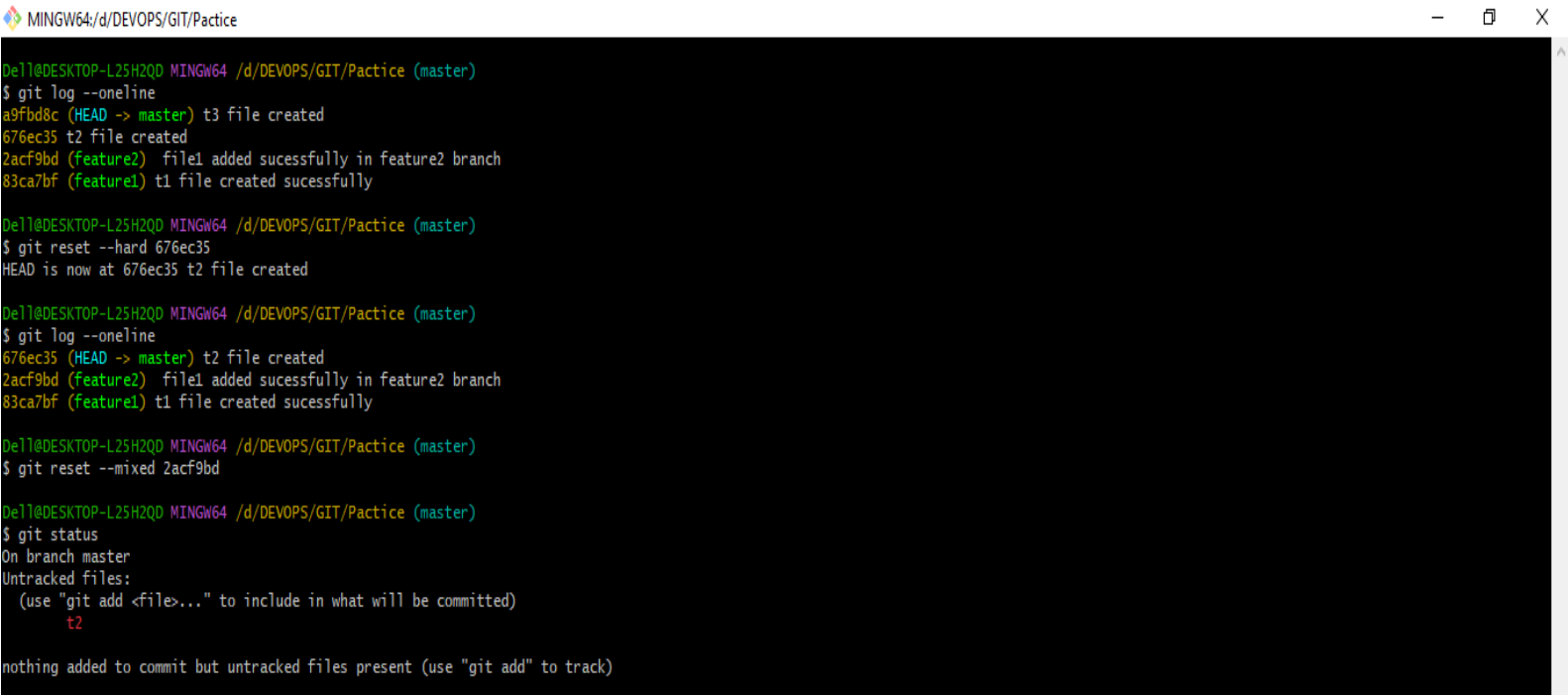
log changes after branch merged to master ,git merge <branch name >,git log



GIT Commands and Their Outputs

Shashanka K T

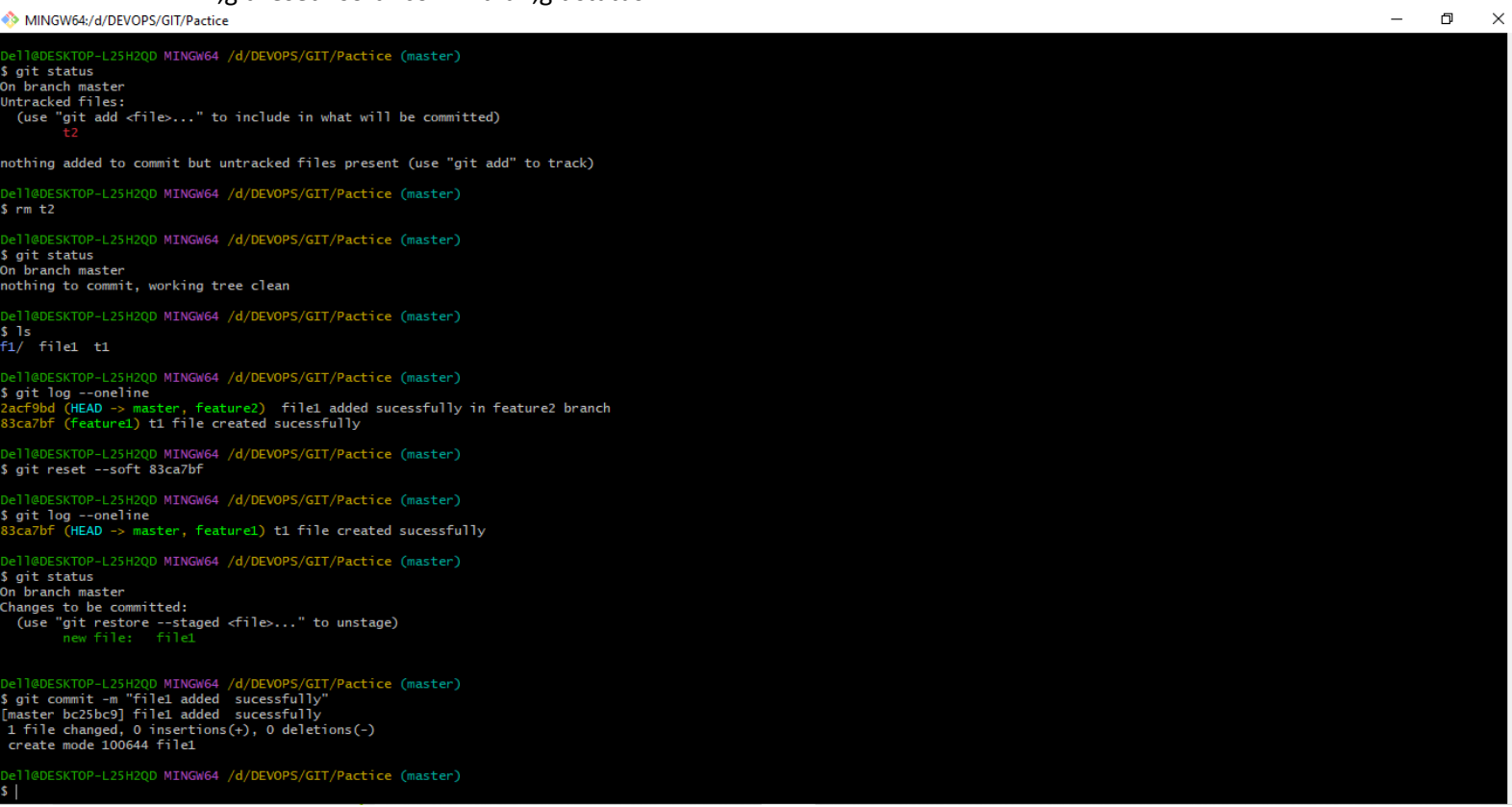
git reset –hard <commit id> or git reset –hard HEAD~1, git reset –mixed <commit id>,git status



GIT Commands and Their Outputs

Shashanka K T

rm,git reset –soft <commit id>,git status



GIT Commands and Their Outputs

Shashanka K T

vi <filename>,cat <filename>

GIT Commands and Their Outputs

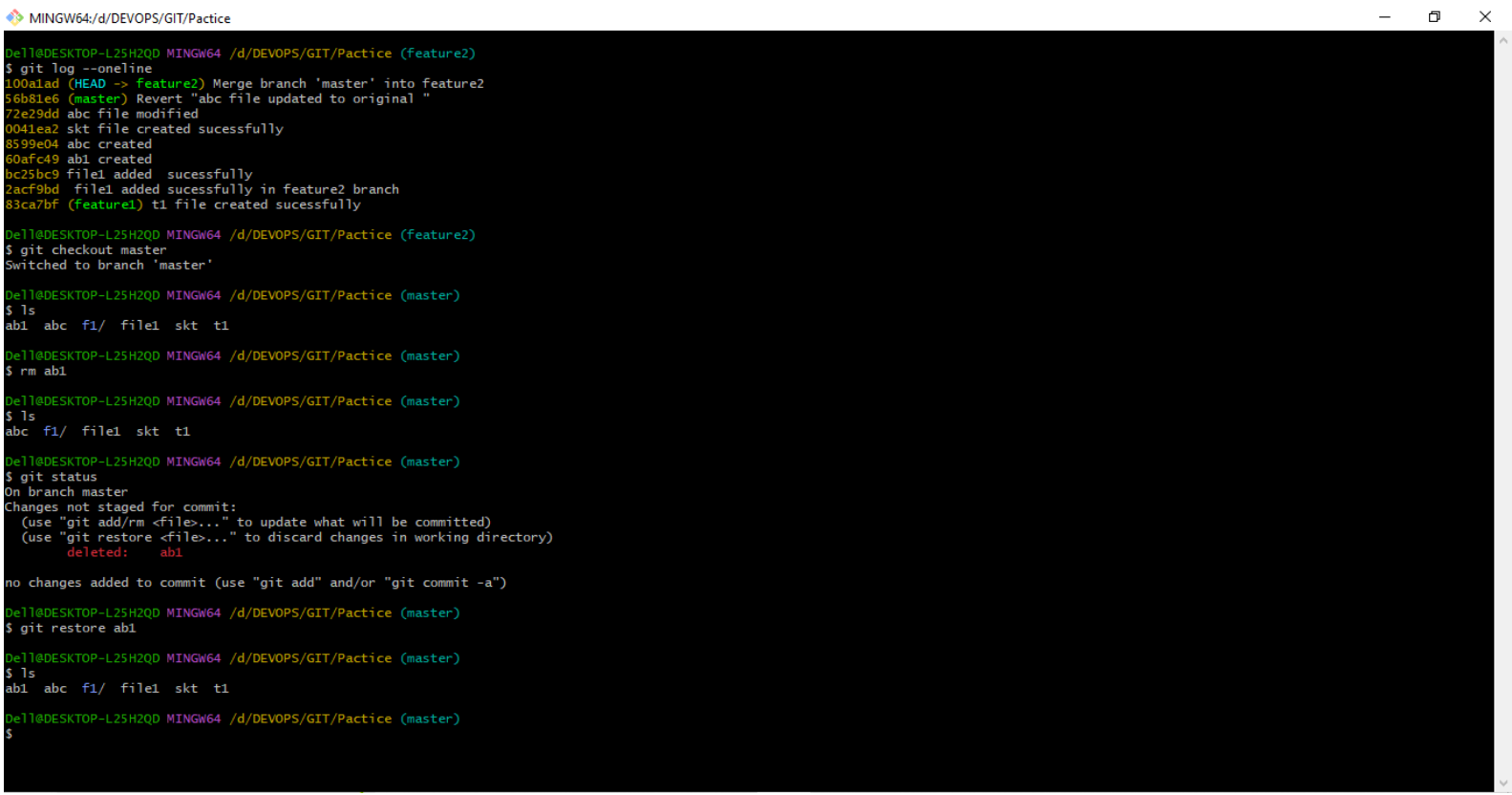
Shashanka K T

git revert <commit id>,git status,

GIT Commands and Their Outputs

Shashanka K T

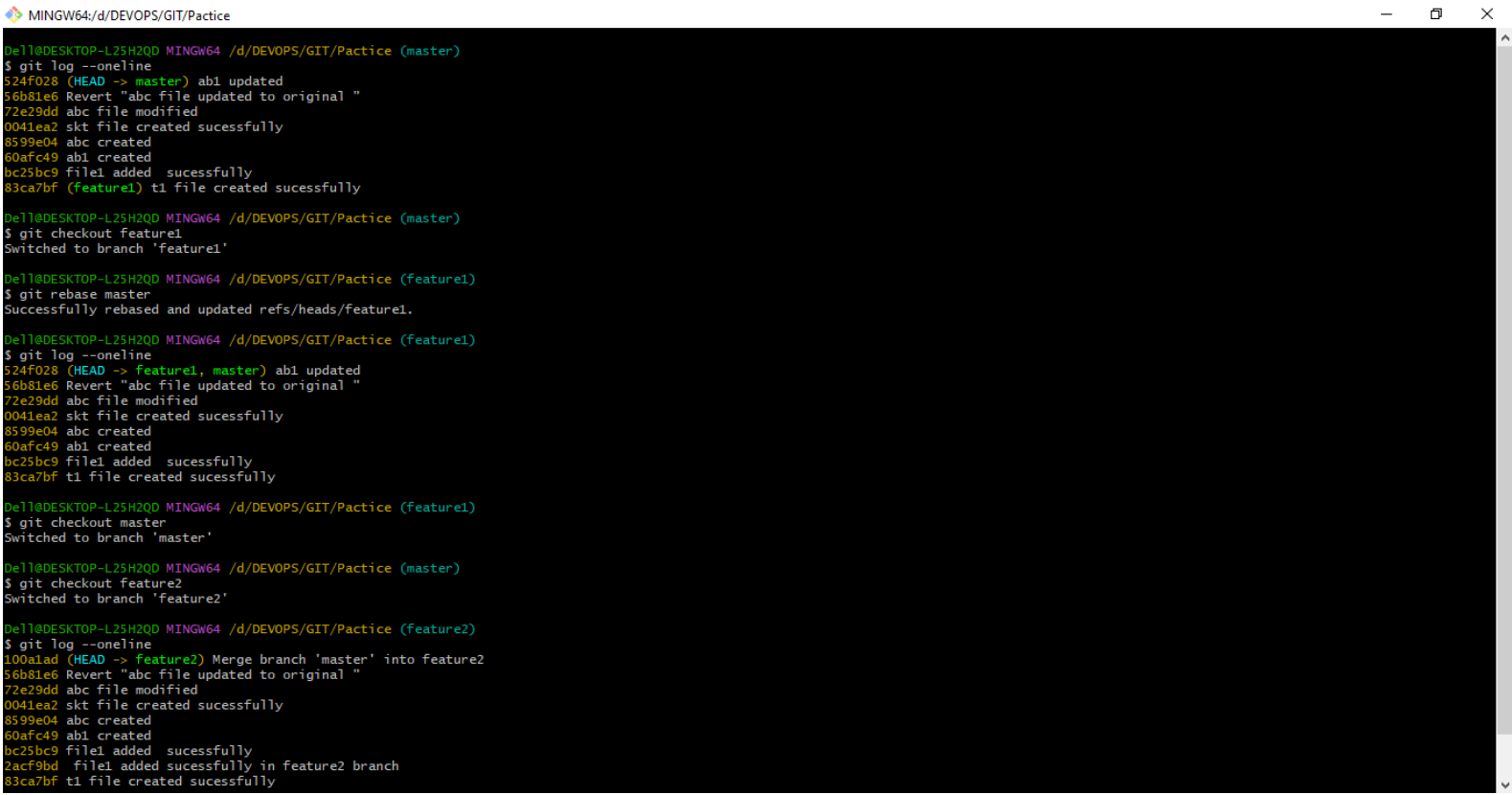
git restore <filename>



GIT Commands and Their Outputs

Shashanka K T

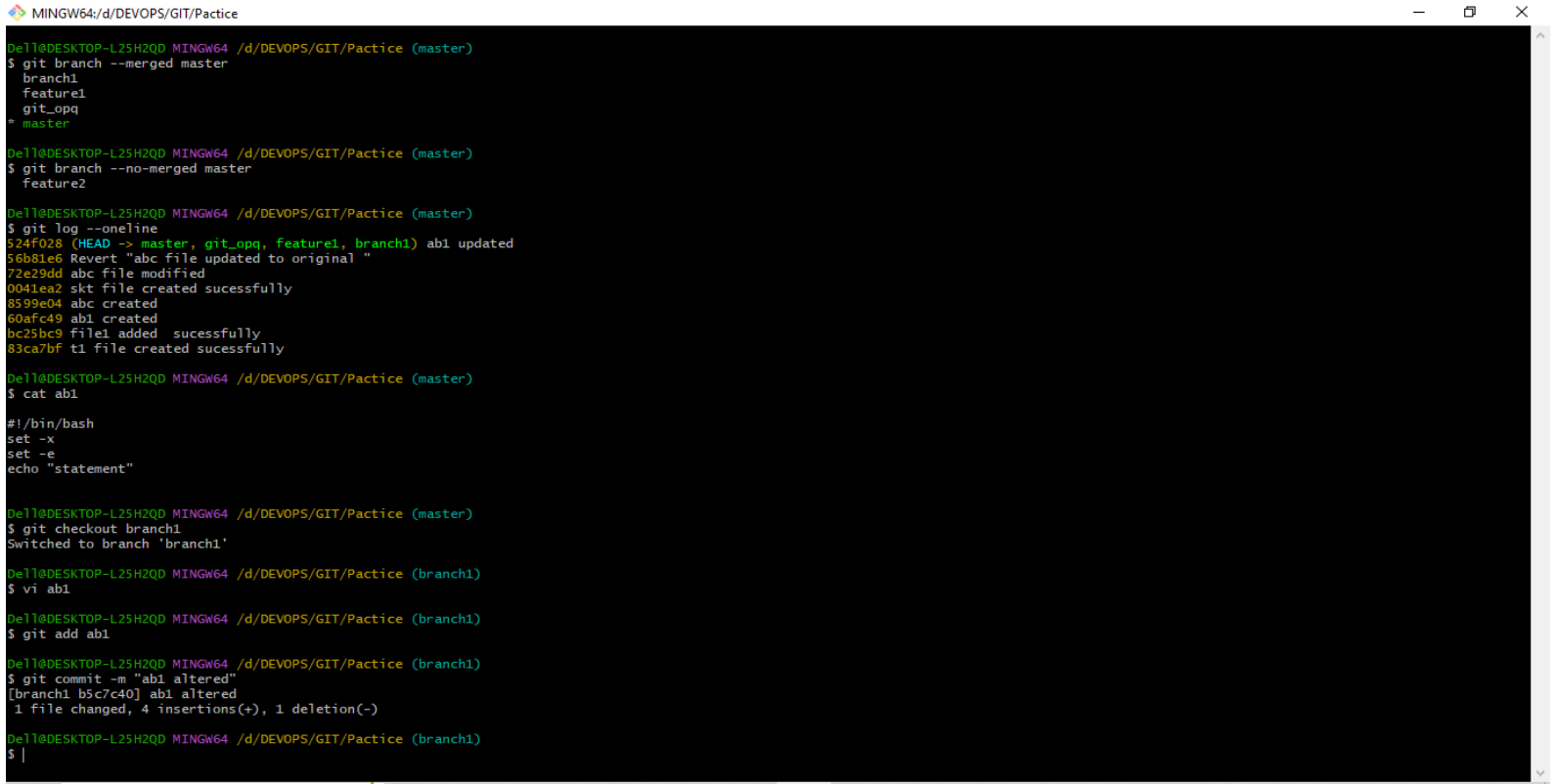
git rebase <branch name >



GIT Commands and Their Outputs

Shashanka K T

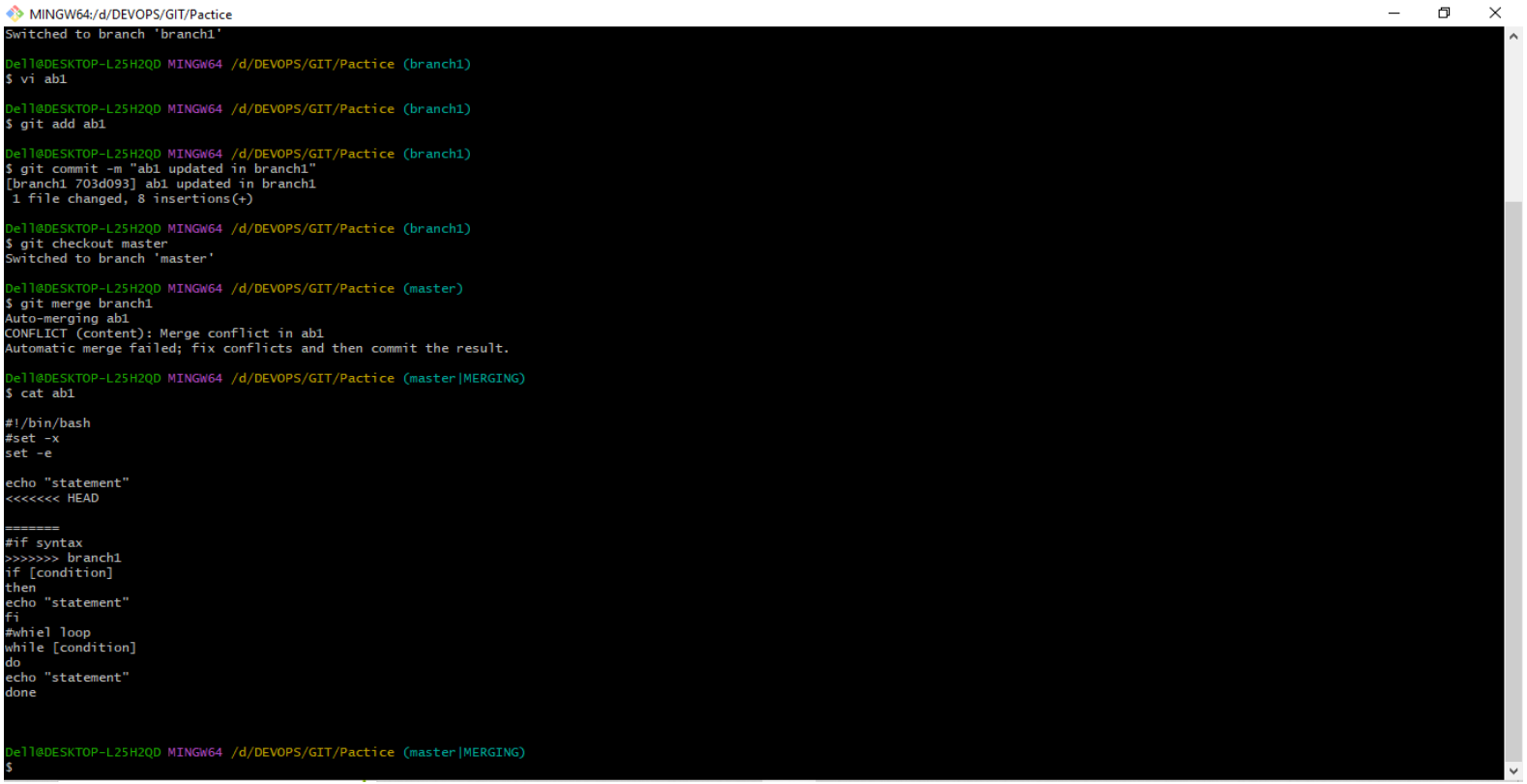
git branch –merged master, git branch –no-merged master,



GIT Commands and Their Outputs

Shashanka K T

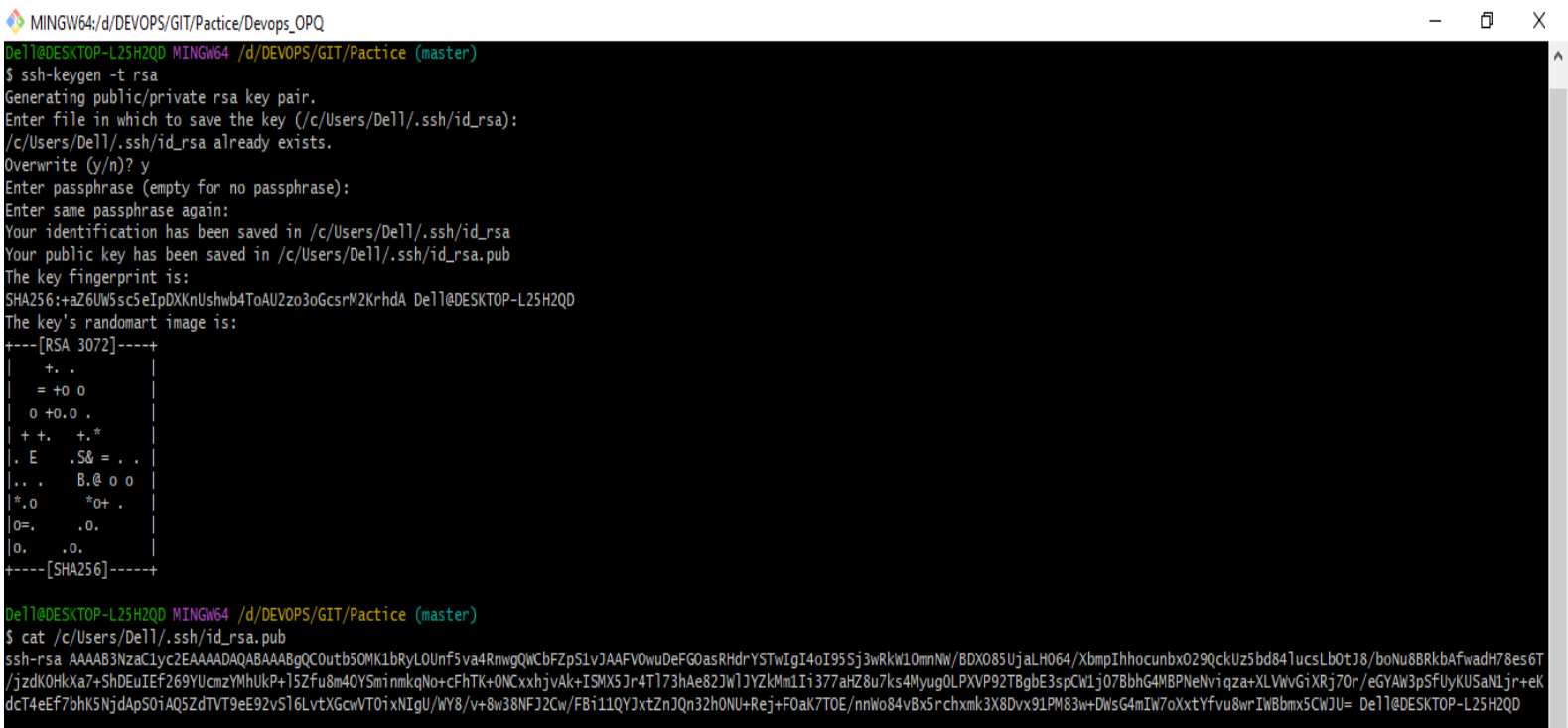
git conflict,



GIT Commands and Their Outputs

Shashanka K T

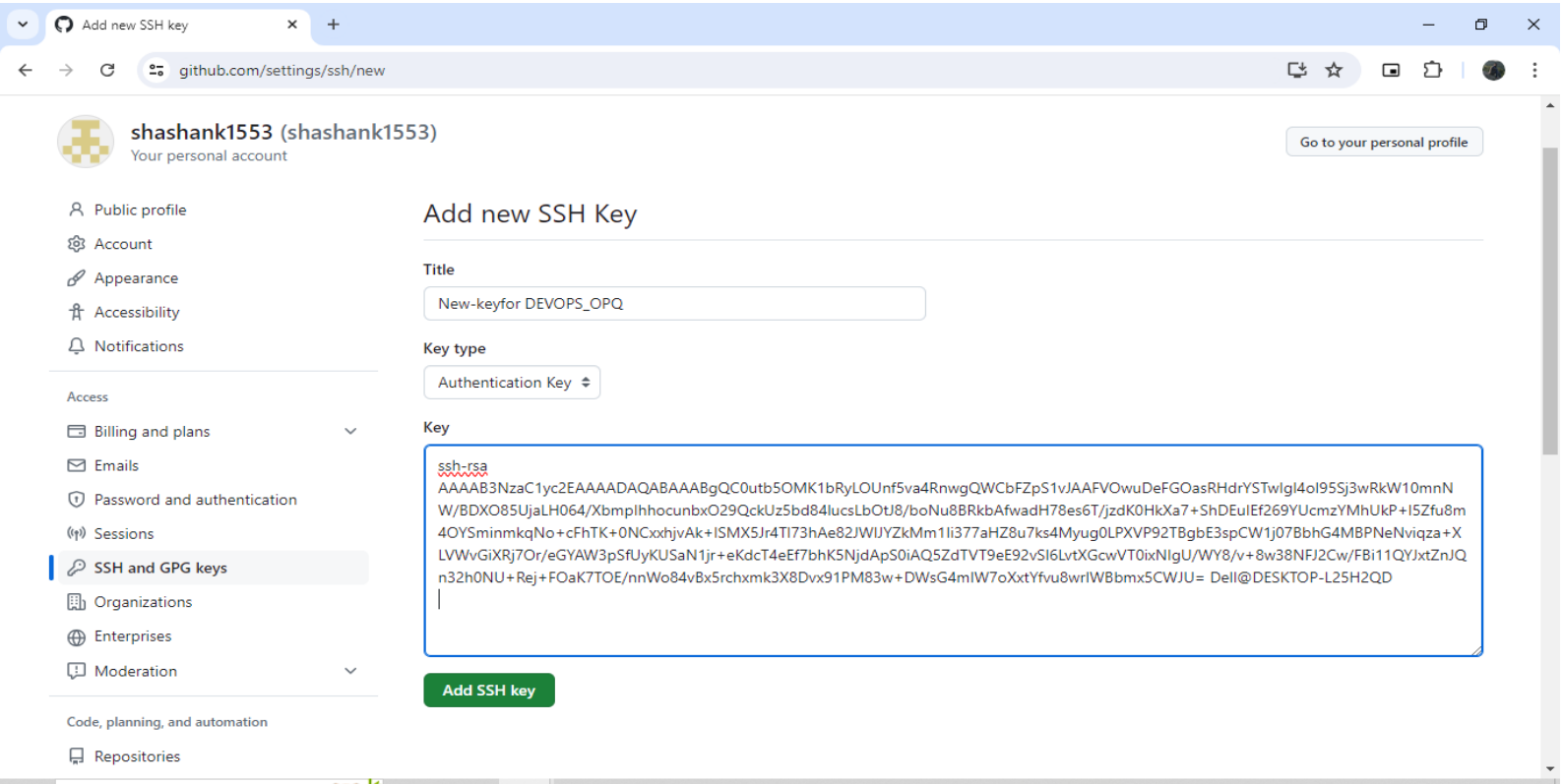
ssh-keygen -t rsa ,cat .shh/id_rsa to generate pub key,to establish password less conncetion



GIT Commands and Their Outputs

Shashanka K T

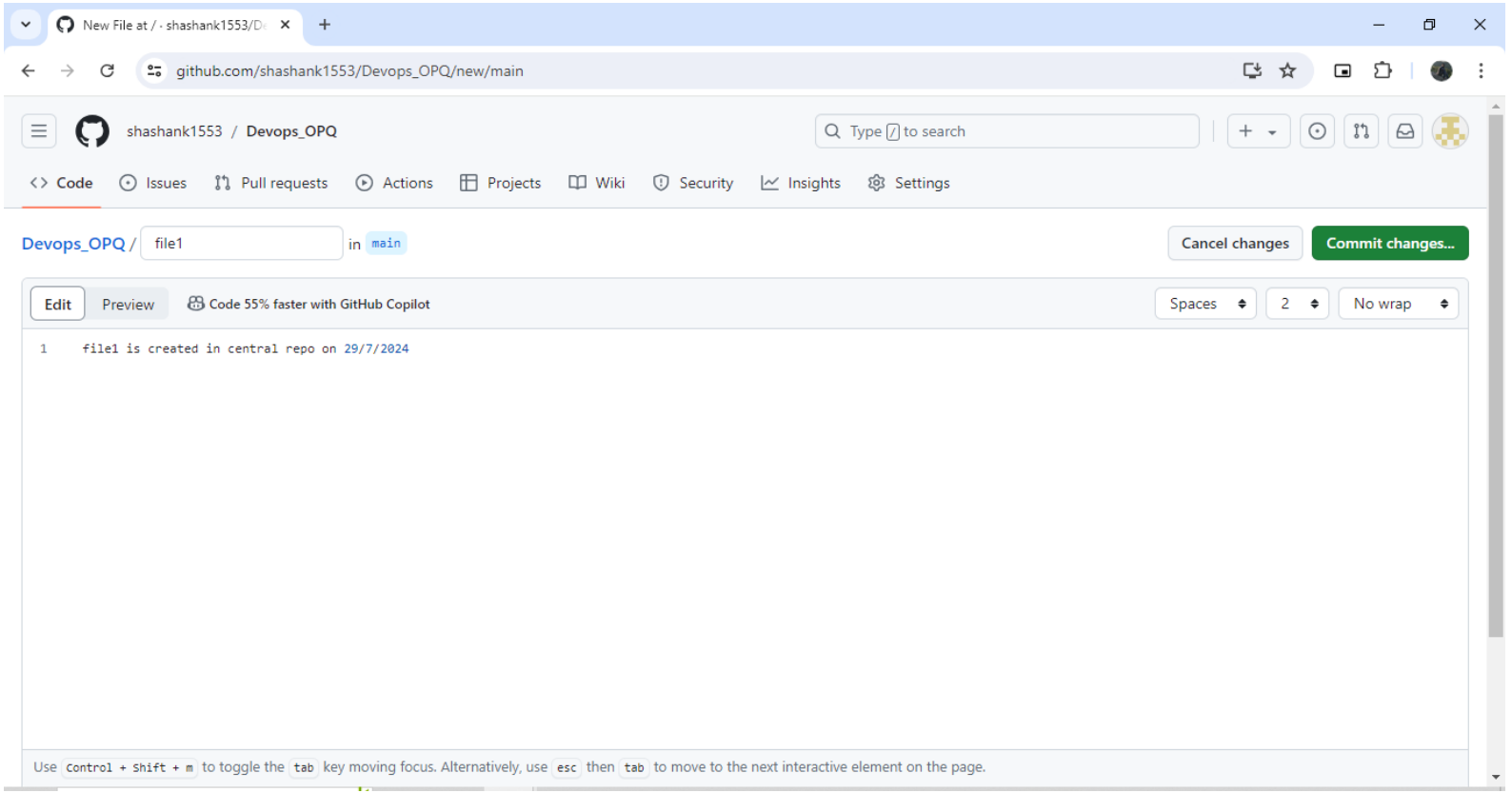
git hub ,Adding SSH key in GIT hub copied from Local repo to establish password less connection



GIT Commands and Their Outputs

Shashanka K T

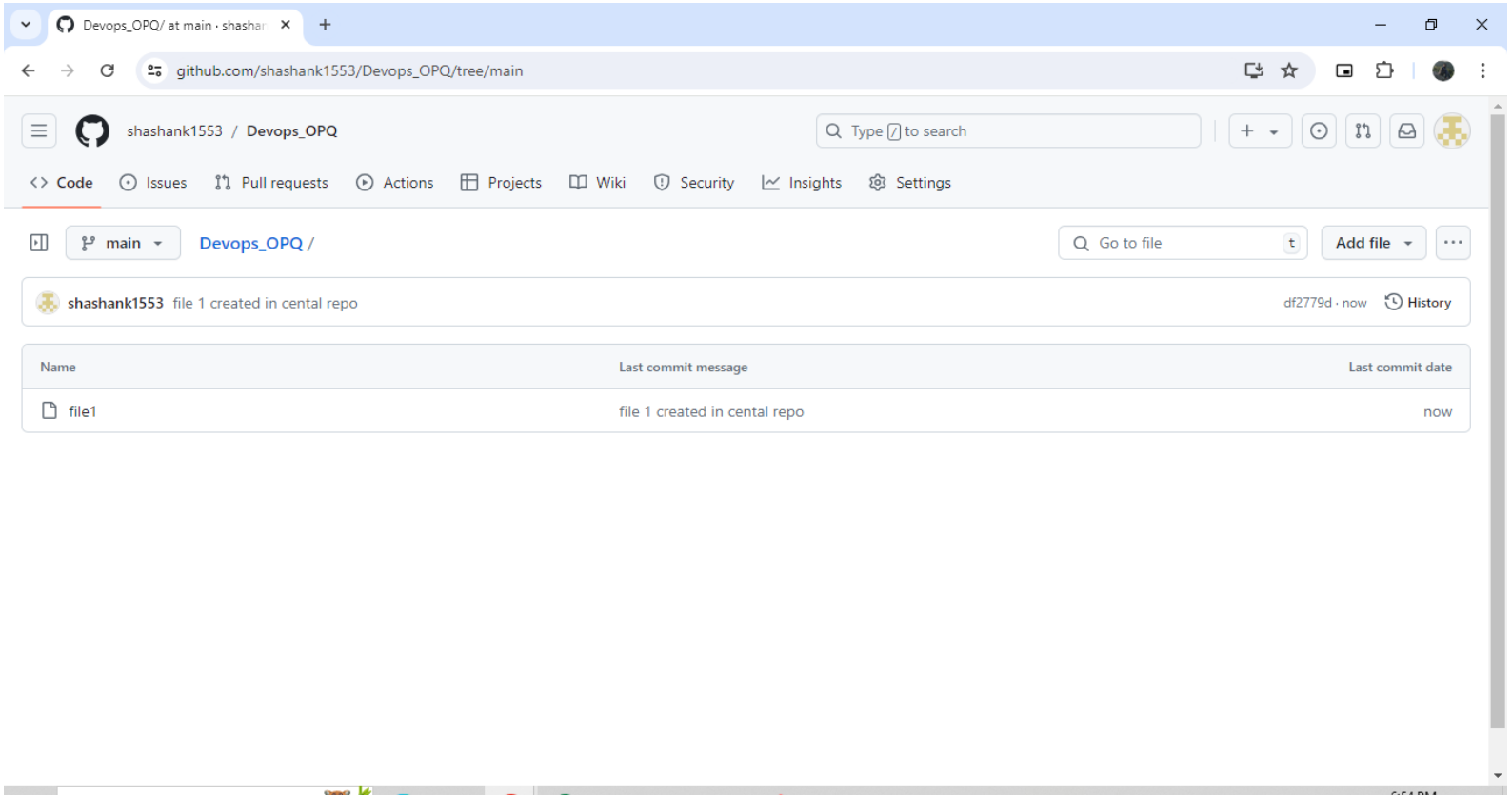
git hub→ creating a file in Devops_OPQ repo in Central repo



GIT Commands and Their Outputs

Shashanka K T

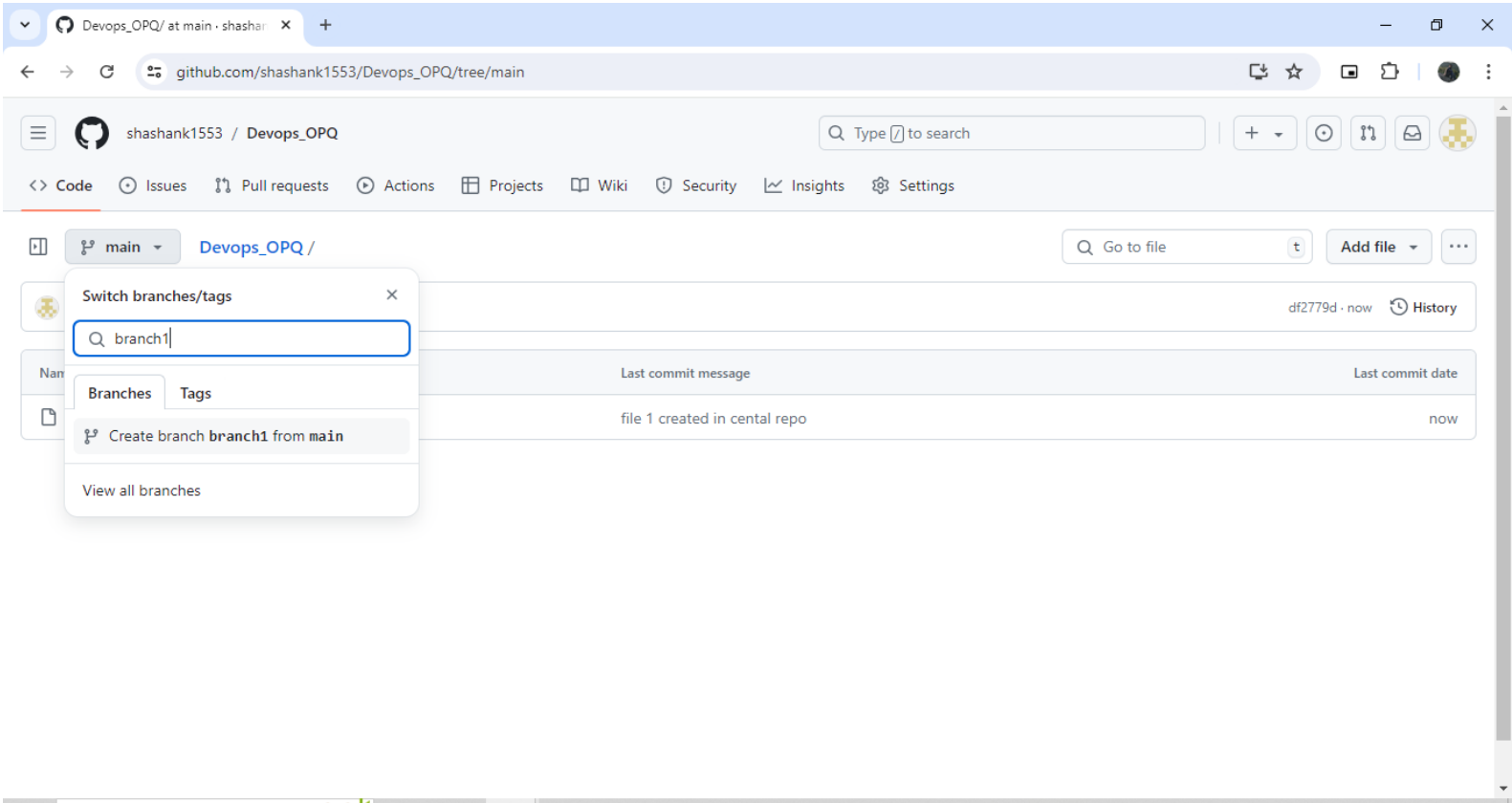
git hub→ file created in Devops_OPQ repo with commit message



GIT Commands and Their Outputs

Shashanka K T

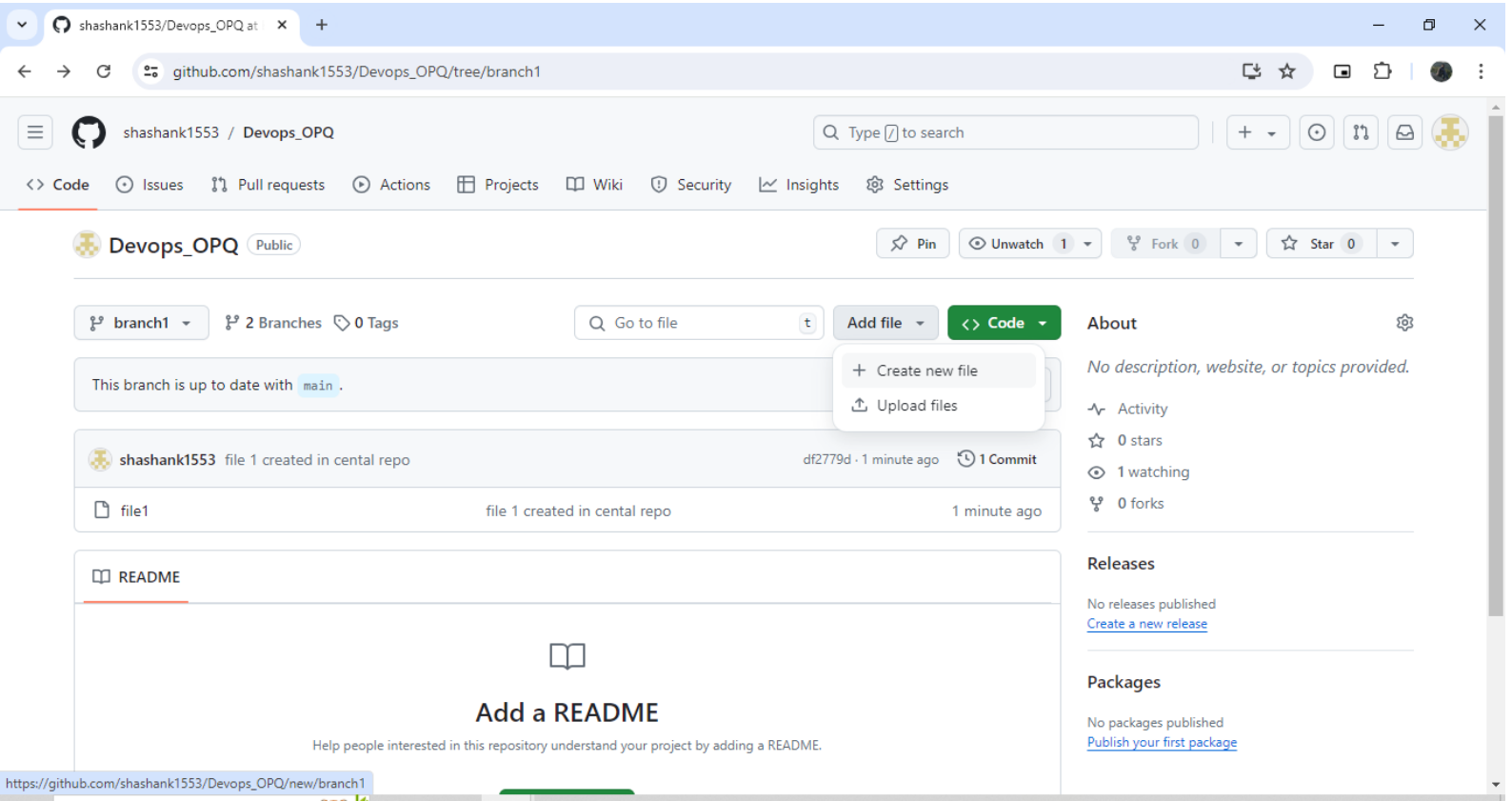
git hub→creating branch in Devops_OPQ repo called branch1



GIT Commands and Their Outputs

Shashanka K T

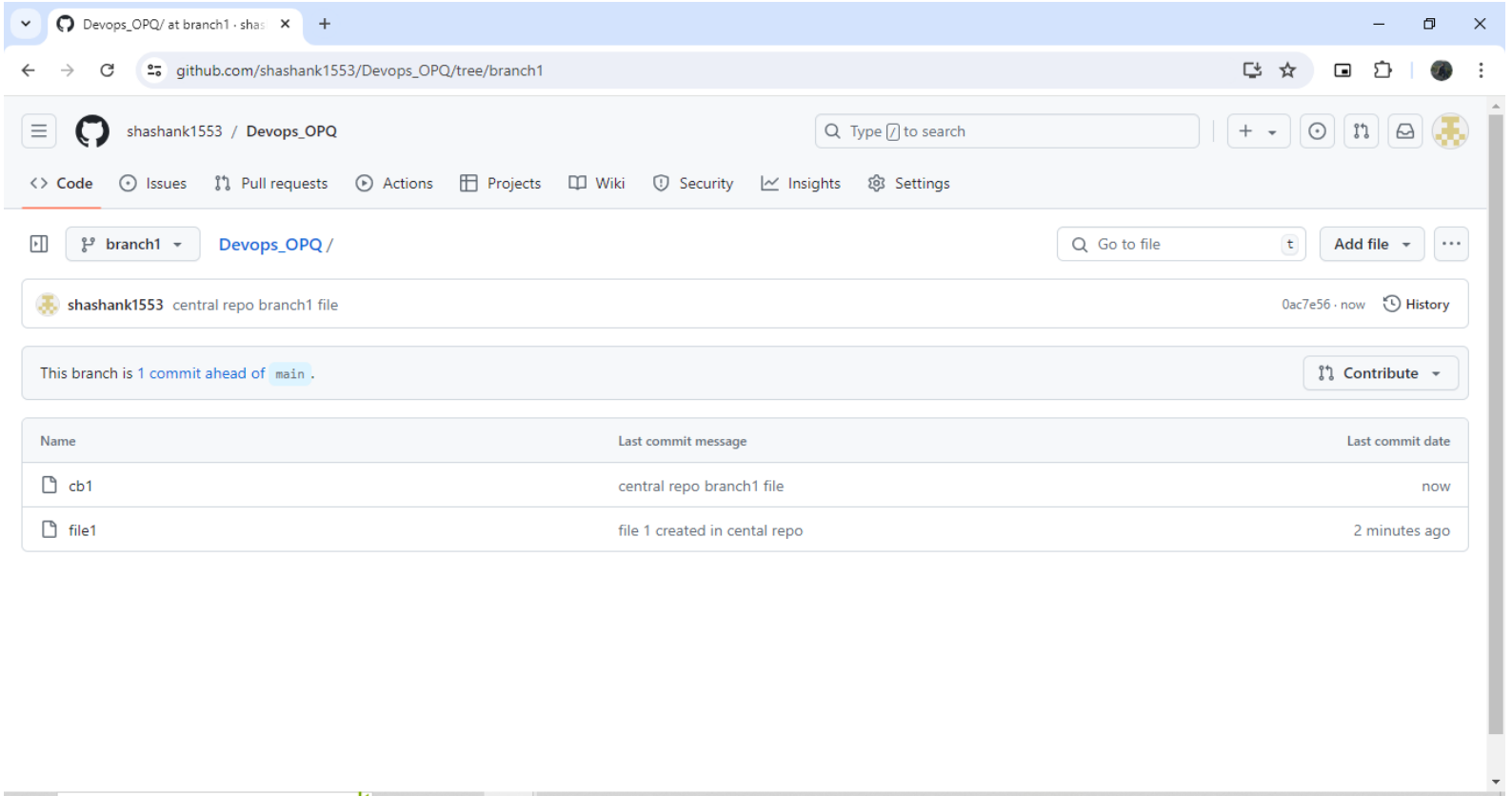
git hub→branch1 created and Auto-merged with main (default)



GIT Commands and Their Outputs

Shashanka K T

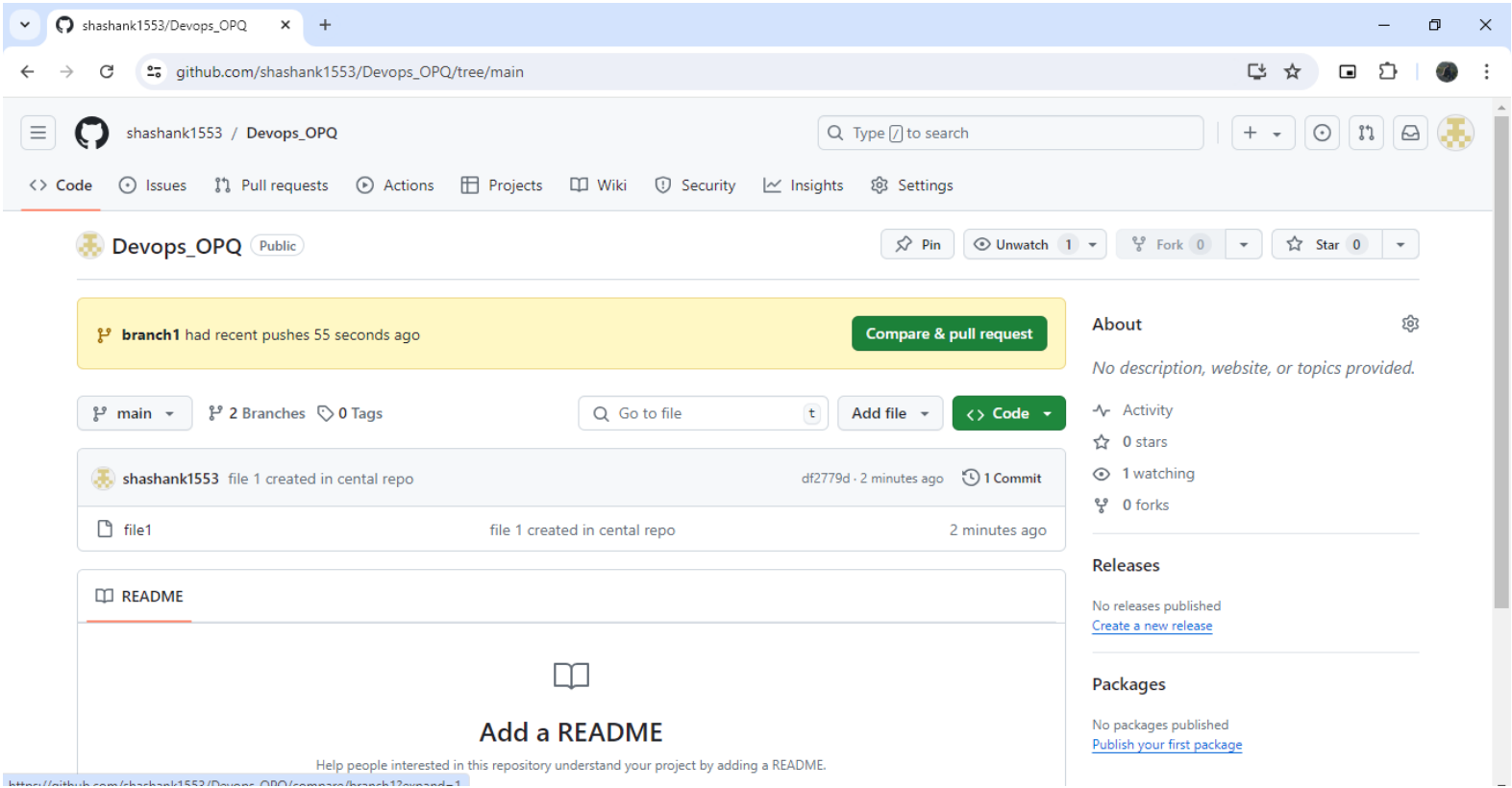
github→cb1 file created in branch1



GIT Commands and Their Outputs

Shashanka K T

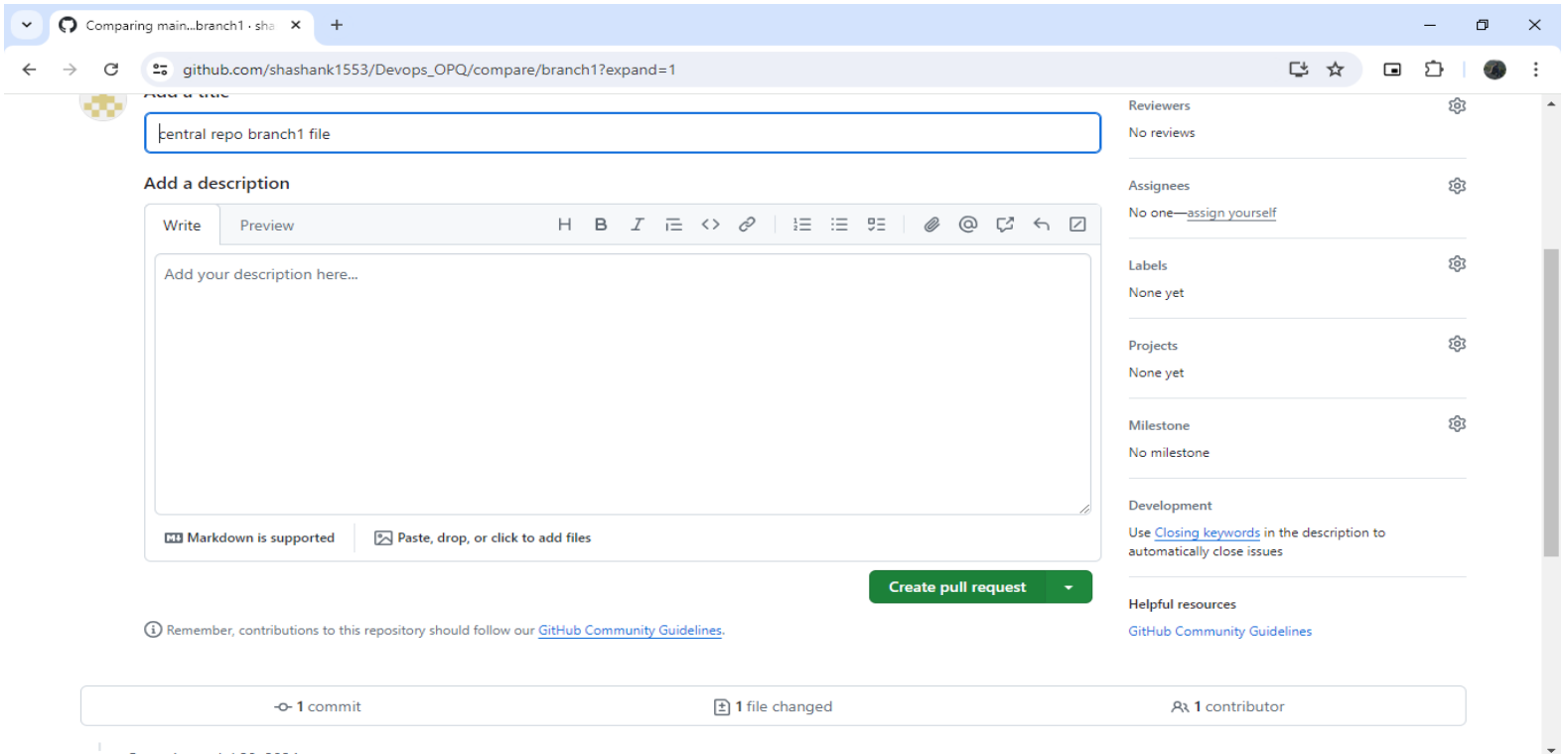
git hub→ Merge request to the main when changes made in branch1 i.e comapare &pull request



GIT Commands and Their Outputs

Shashanka K T

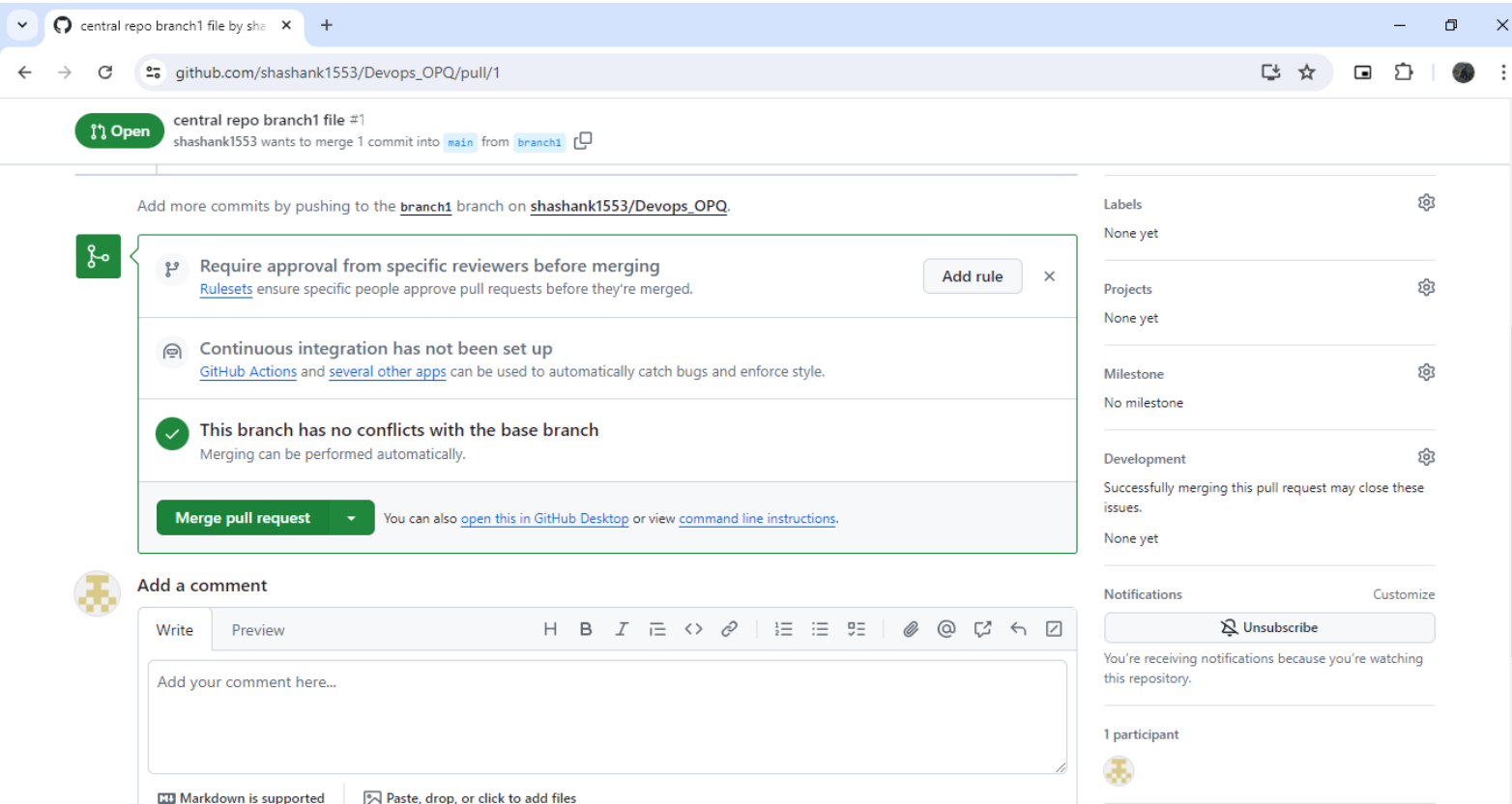
git hub→creating pull request



GIT Commands and Their Outputs

Shashanka K T

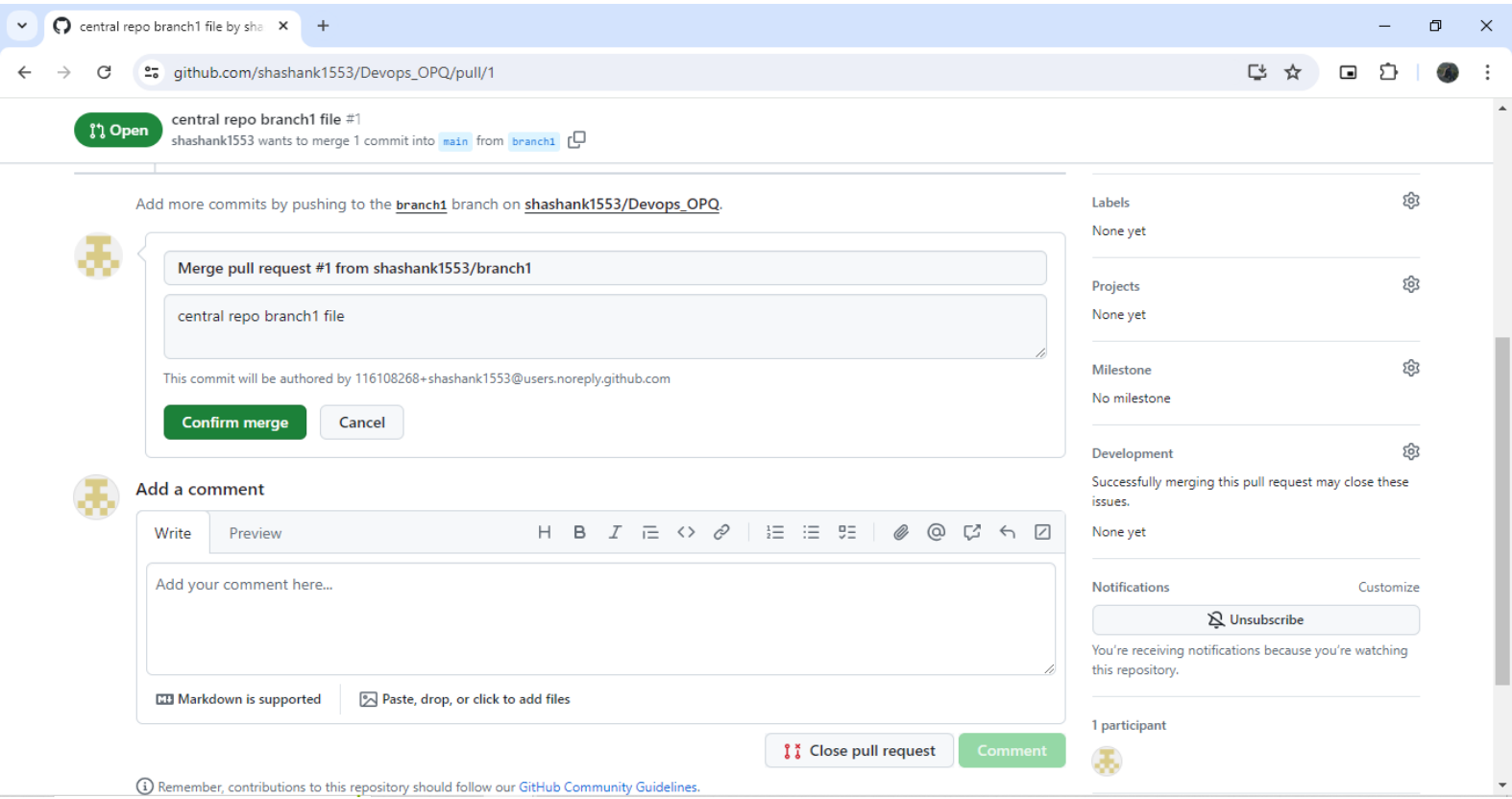
git hub→Merge request to the Main branch



GIT Commands and Their Outputs

Shashanka K T

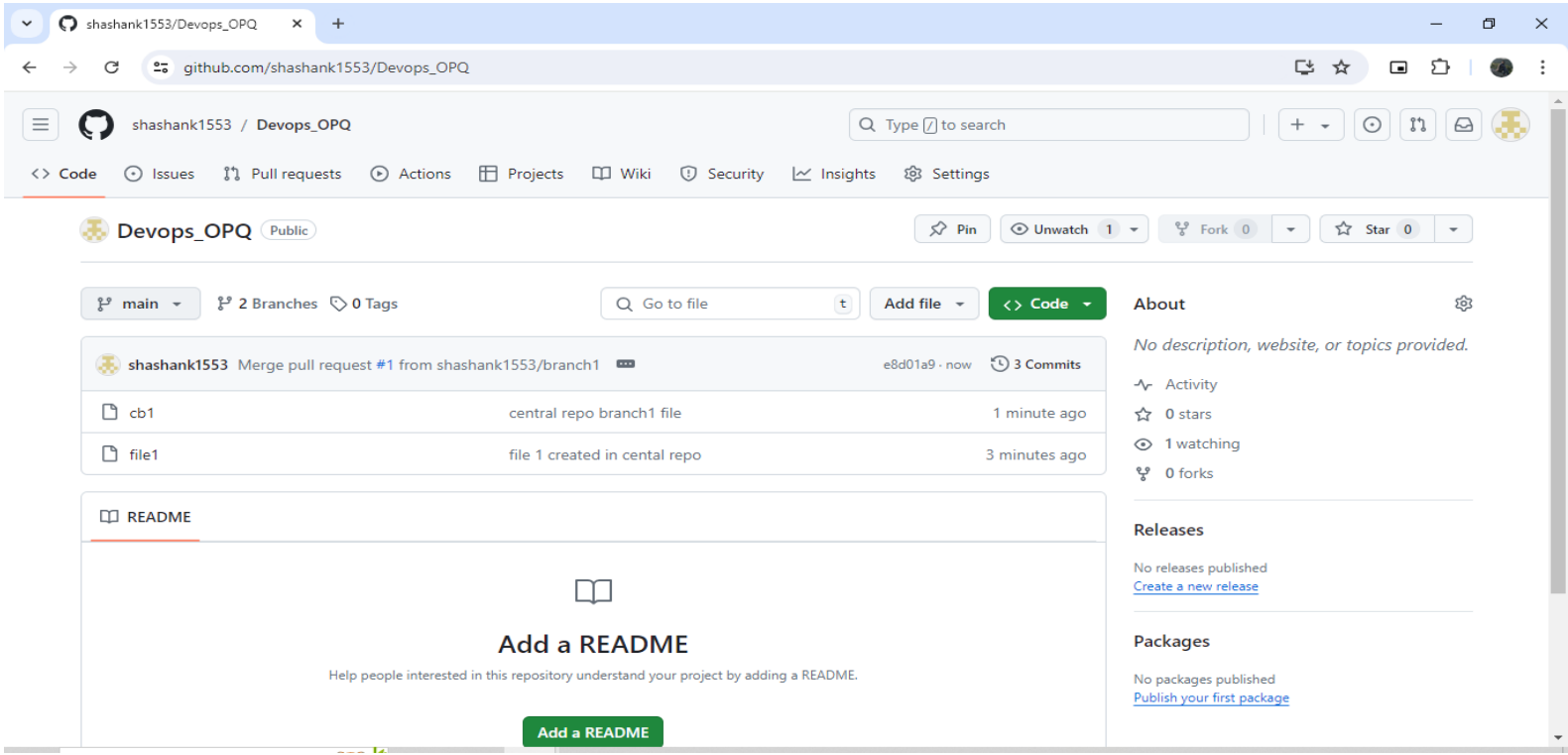
github→ confirming merge request with new commit message



GIT Commands and Their Outputs

Shashanka K T

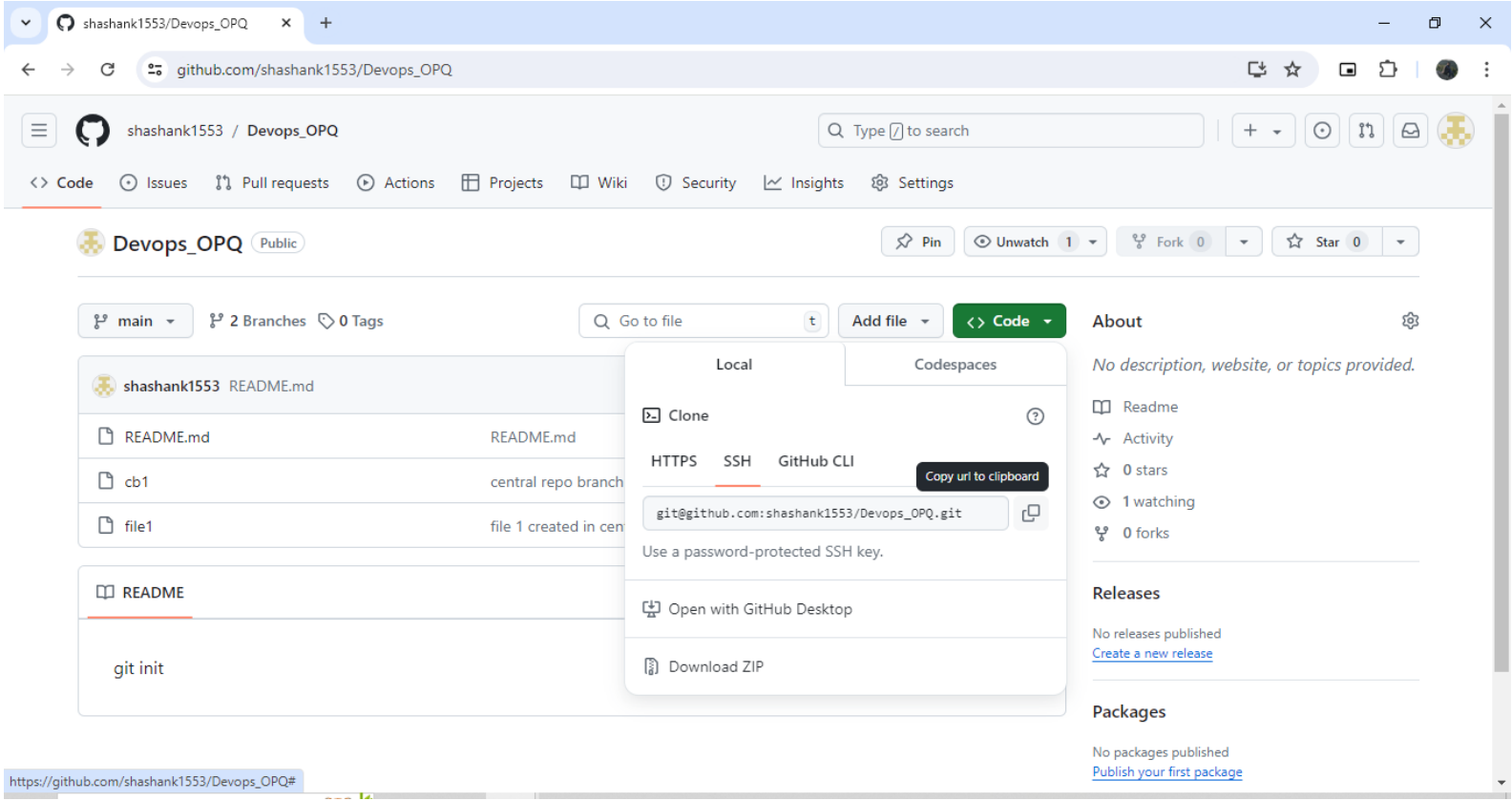
git hub→Files updated in Main After merged with Branch1



GIT Commands and Their Outputs

Shashanka K T

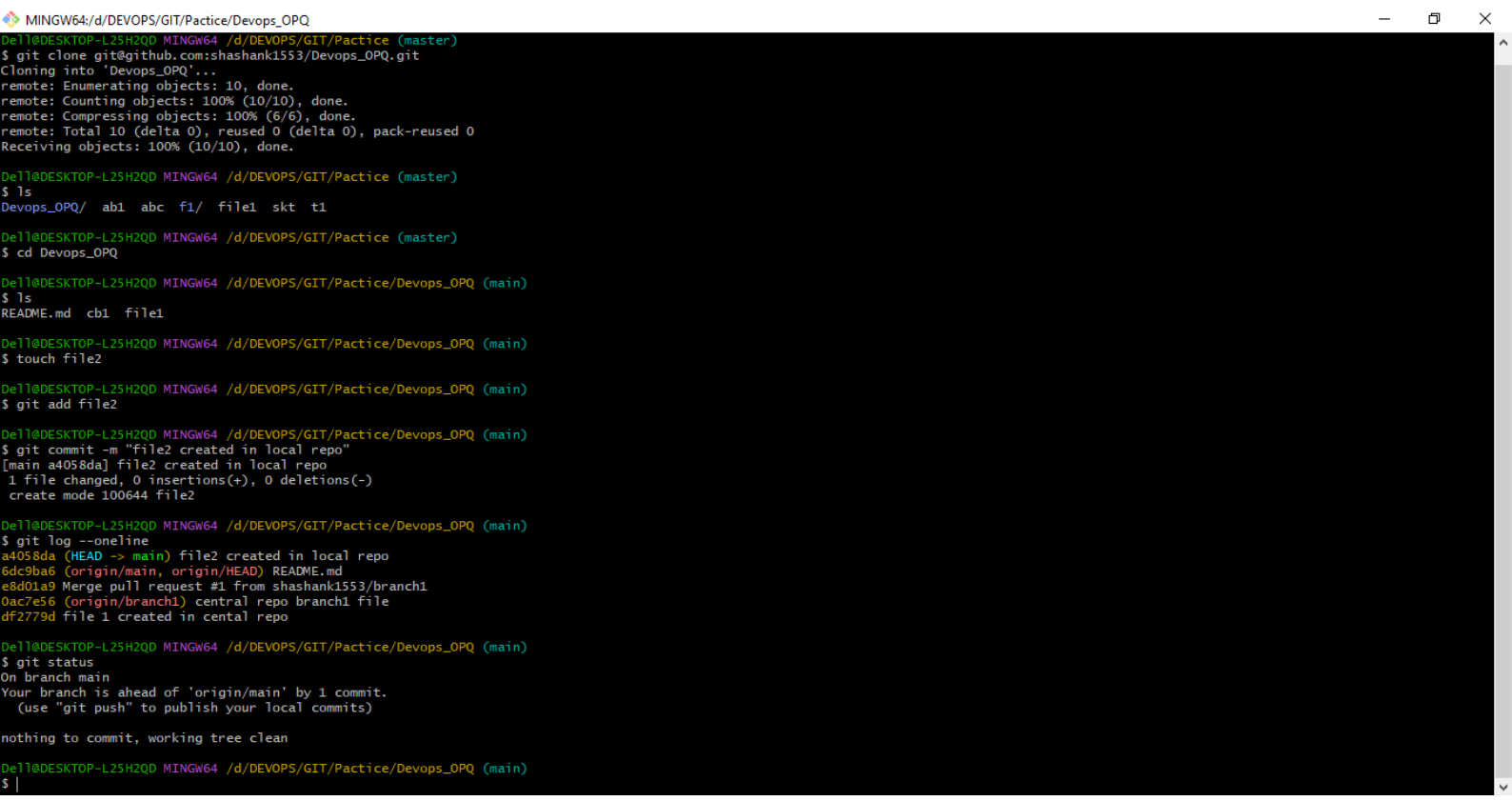
git hub→ To Clone with Local repo copied SSH key in Devops_OPQ repo



GIT Commands and Their Outputs

Shashanka K T

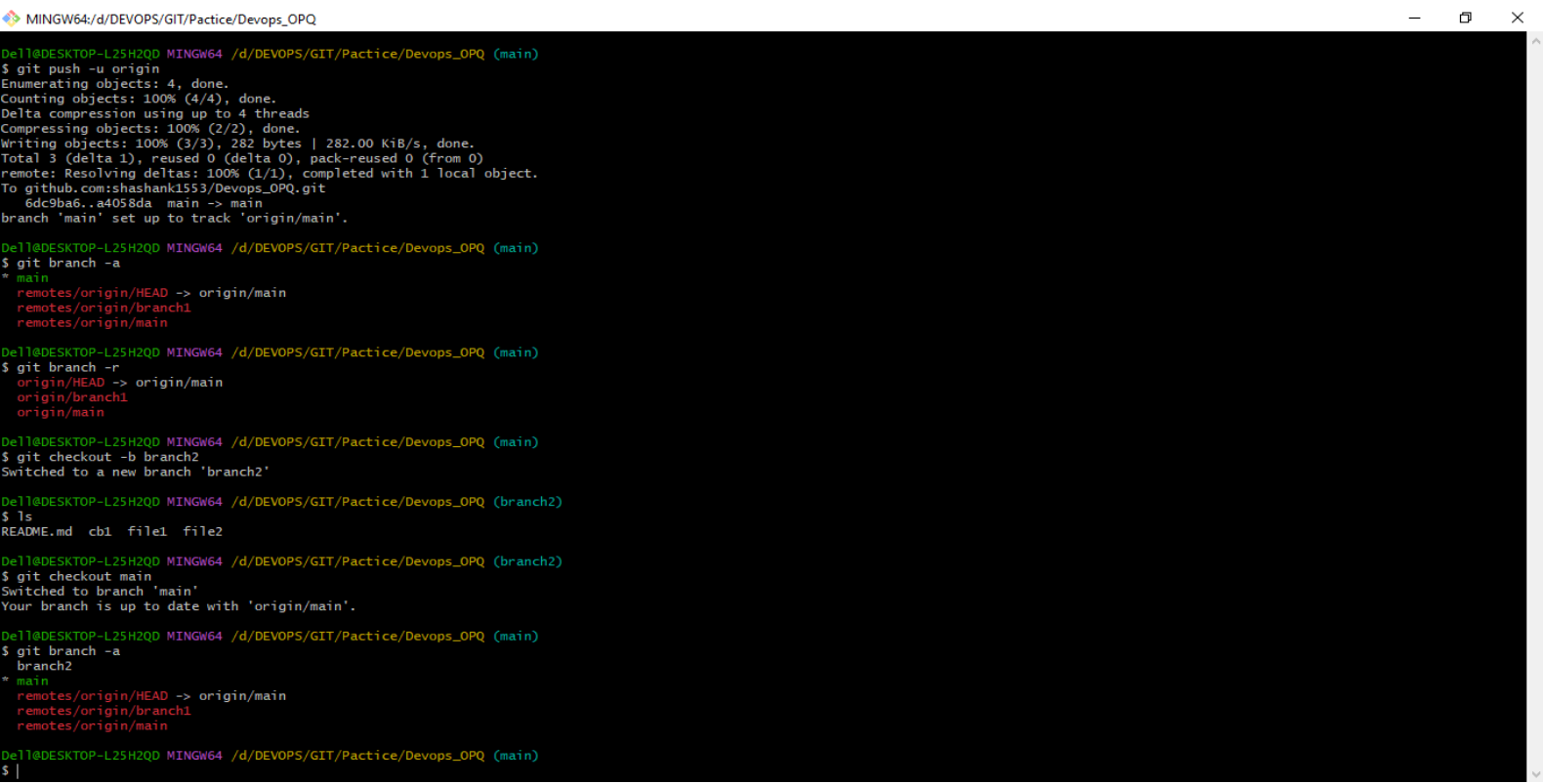
git clone <SSH copied from Devops_OPQ>, ls ,git log –oneline ,git status , touch <filename>,git add <filename >,git commit -m “message ” ,creating a new file in Local repo inside Devops_OPQ (main)



GIT Commands and Their Outputs

Shashanka K T

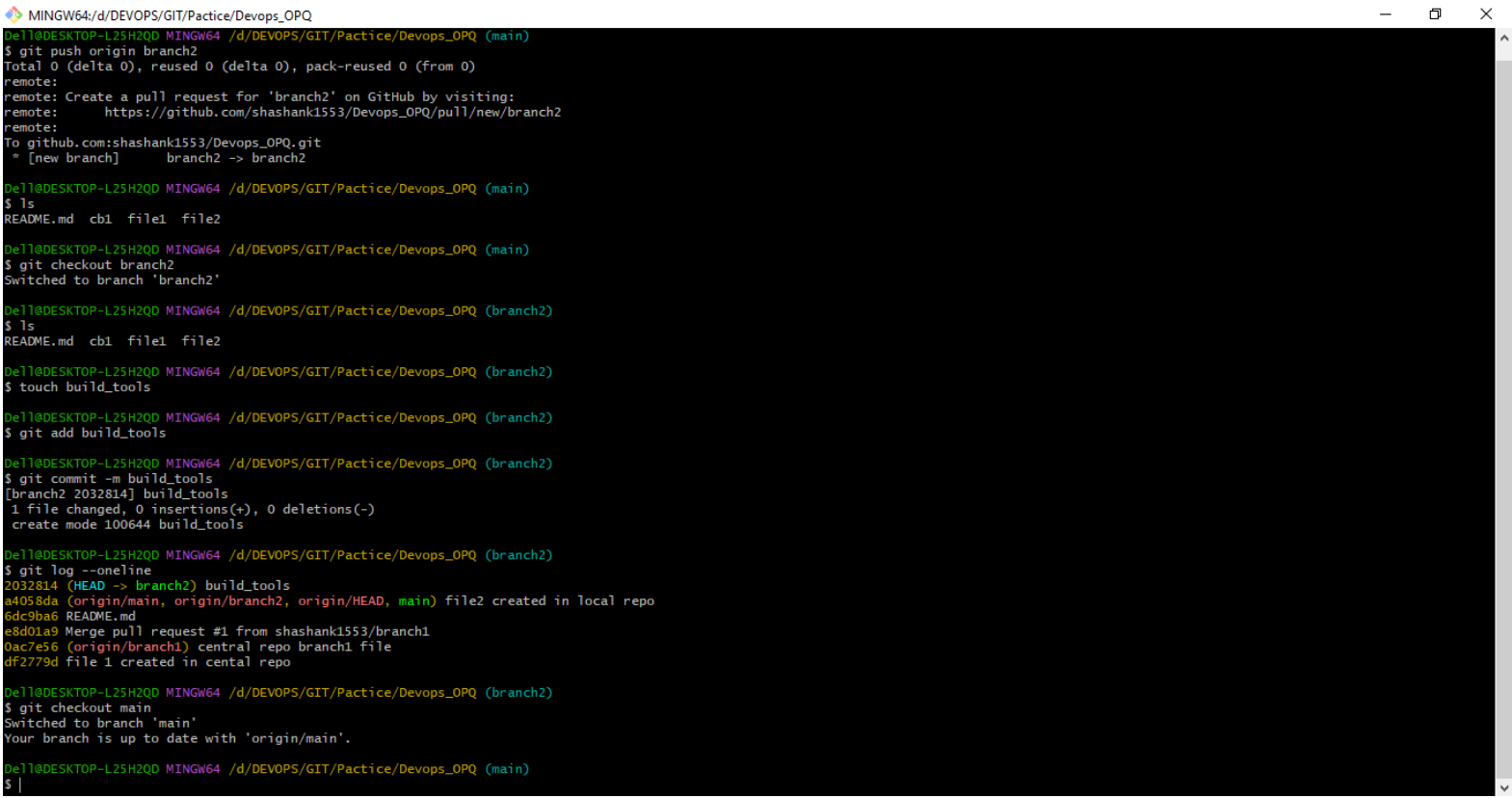
git push -u origin /git push,git branch -a,git branch -r,git checkout -b <branch name>



GIT Commands and Their Outputs

Shashanka K T

git push origin <branchname > ,



GIT Commands and Their Outputs

Shashanka K T

git cherry-pick <commit-ID>

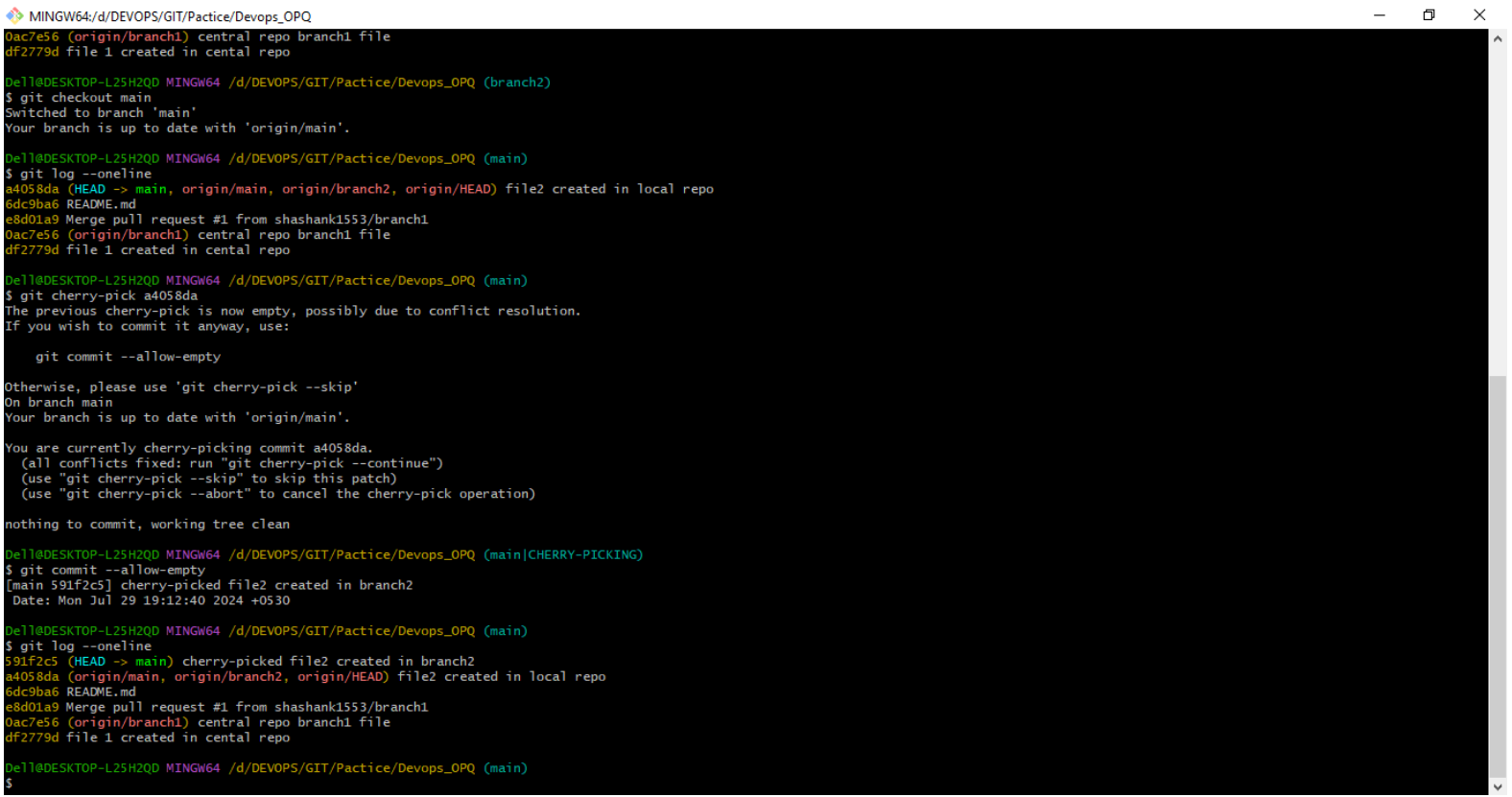
MINGW64:/d/DEVOPS/GIT/Pactice/Devops_OPQ

```
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 build_tools

Dell@DESKTOP-L25H2QD MINGW64 /d/DEVOPS/GIT/Pactice/Devops_OPQ (branch2)
$ git log --oneline
2032814 (HEAD -> branch2) build_tools
a4058da (origin/main, origin/branch2, origin/HEAD, main) file2 created in local repo
6dc9ba6 README.md
e8d01a9 Merge pull request #1 from shashank1553/branch1
0ac7e56 (origin/branch1) central repo branch1 file
df2779d file 1 created in cental repo

Dell@DESKTOP-L25H2QD MINGW64 /d/DEVOPS/GIT/Pactice/Devops_OPQ (branch2)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Dell@DESKTOP-L25H2QD MINGW64 /d/DEVOPS/GIT/Pactice/Devops_OPQ (main)
$ git log --oneline
a4058da (HEAD -> main, origin/main, origin/branch2, origin/HEAD) file2 created in local repo
6dc9ba6 README.md
e8d01a9 Merge pull request #1 from shashank1553/branch1
0ac7e56 (origin/branch1) central repo branch1 file
df2779d file 1 created in cental repo

Dell@DESKTOP-L25H2QD MINGW64 /d/DEVOPS/GIT/Pactice/Devops_OPQ (main)
$ git cherry-pick a4058da
The previous cherry-pick is now empty, possibly due to conflict resolution.
If you wish to commit it anyway, use:

    git commit --allow-empty

Otherwise, please use 'git cherry-pick --skip'
On branch main
Your branch is up to date with 'origin/main'.

You are currently cherry-picking commit a4058da.
  (all conflicts fixed: run "git cherry-pick --continue")
  (use "git cherry-pick --skip" to skip this patch)
  (use "git cherry-pick --abort" to cancel the cherry-pick operation)

nothing to commit, working tree clean

Dell@DESKTOP-L25H2QD MINGW64 /d/DEVOPS/GIT/Pactice/Devops_OPQ (main|CHERRY-PICKING)
$ git commit --allow-empty
[main 591f2c5] cherry-picked file2 created in branch2
 Date: Mon Jul 29 19:12:40 2024 +0530

Dell@DESKTOP-L25H2QD MINGW64 /d/DEVOPS/GIT/Pactice/Devops_OPQ (main)
$ git log --oneline
```

GIT Commands and Their Outputs

Shashanka K T

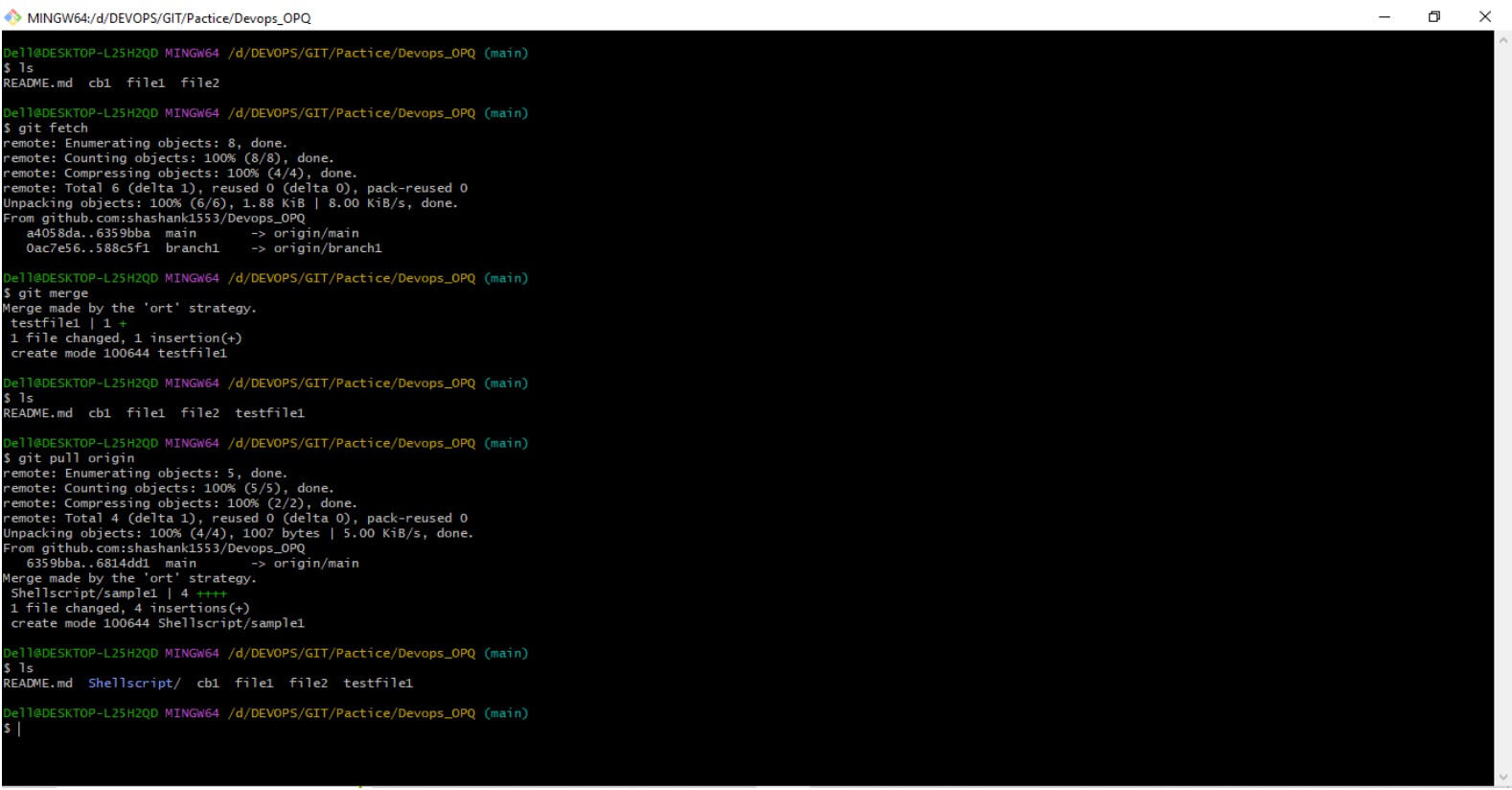
git cherry-pick <commit-ID>, git log --oneline



GIT Commands and Their Outputs

Shashanka K T

git fetch, git merge, git pull origin

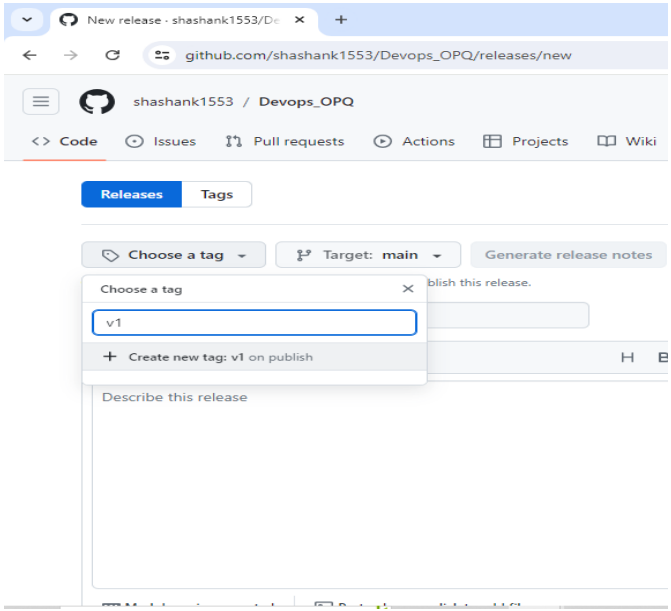


GIT Commands and Their Outputs

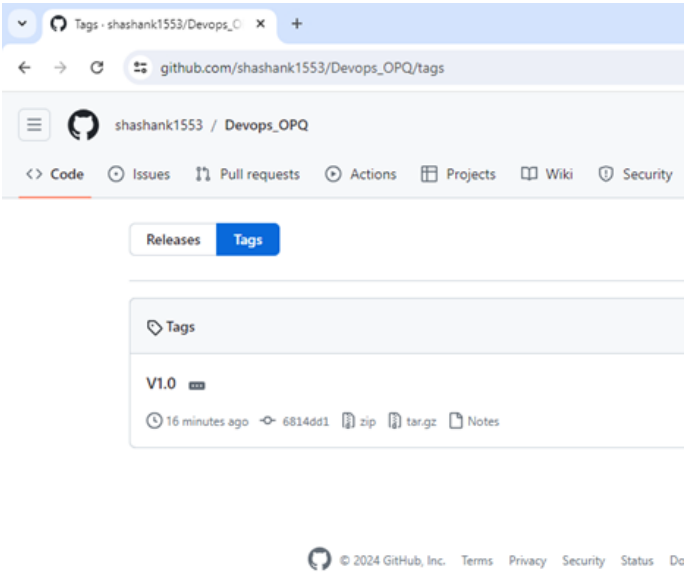
Shashanka K T

git hub→ git tags

creating tags



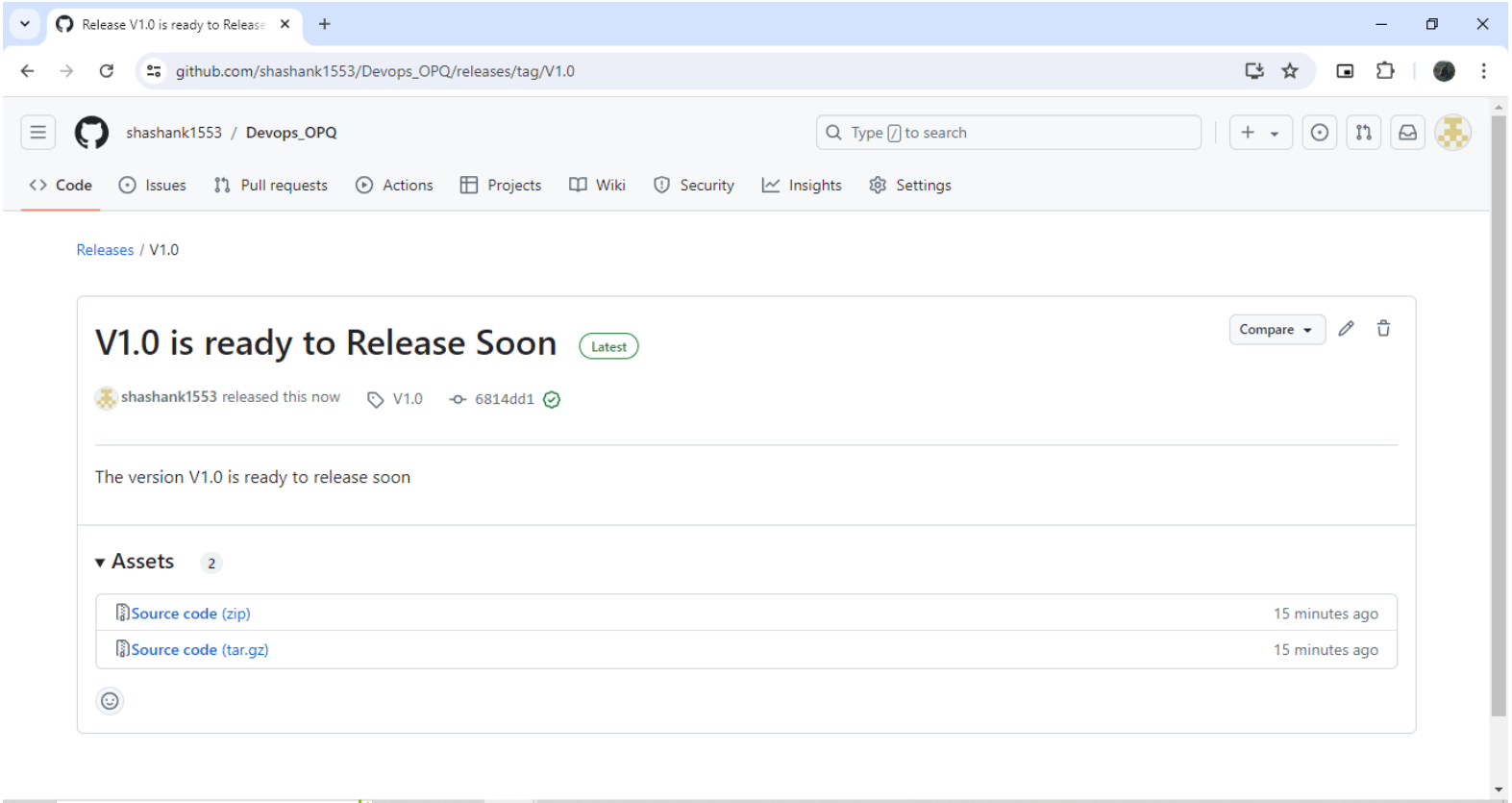
tags



GIT Commands and Their Outputs

Shashanka K T

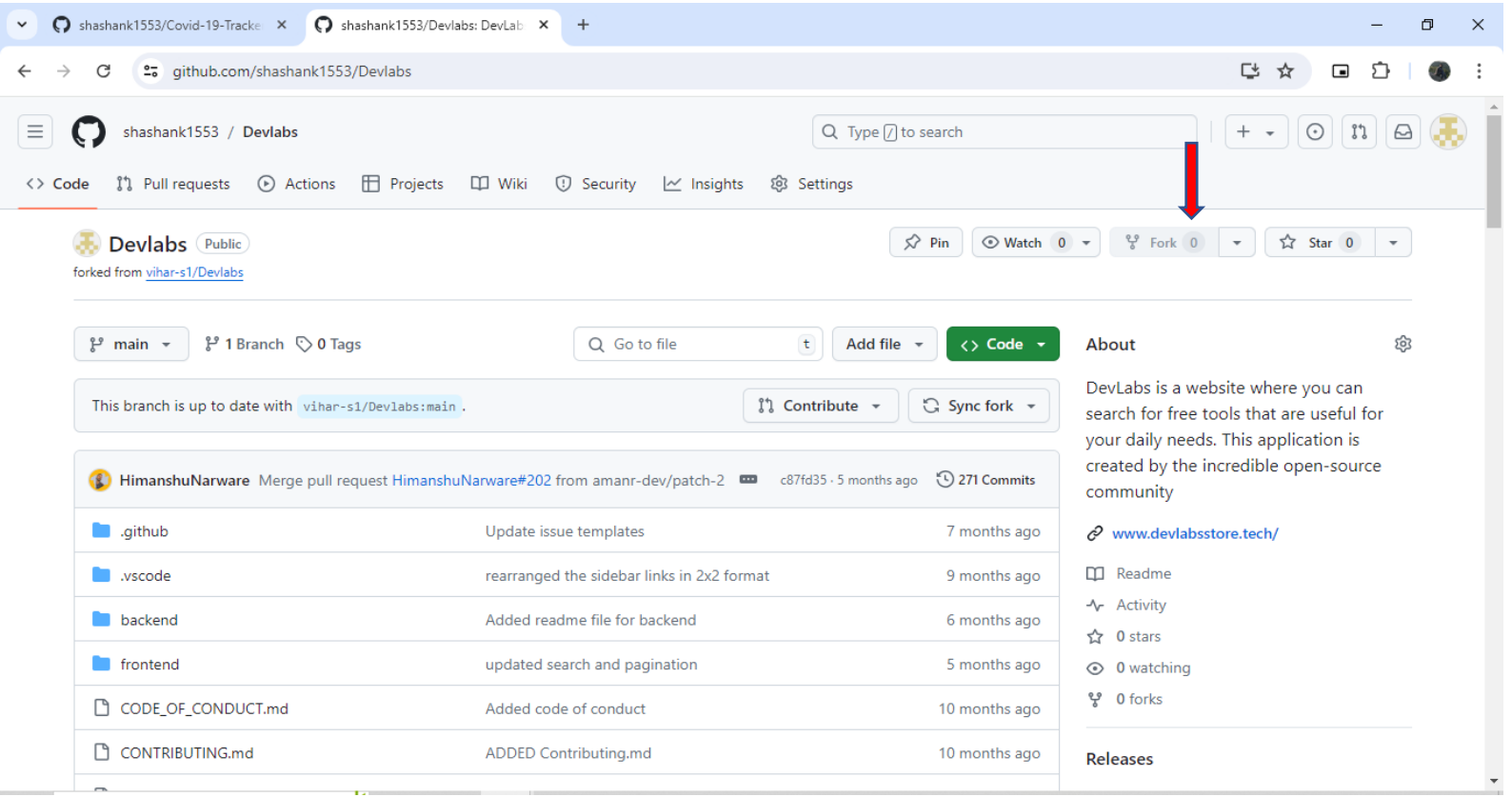
git hub → git release



GIT Commands and Their Outputs

Shashanka K T

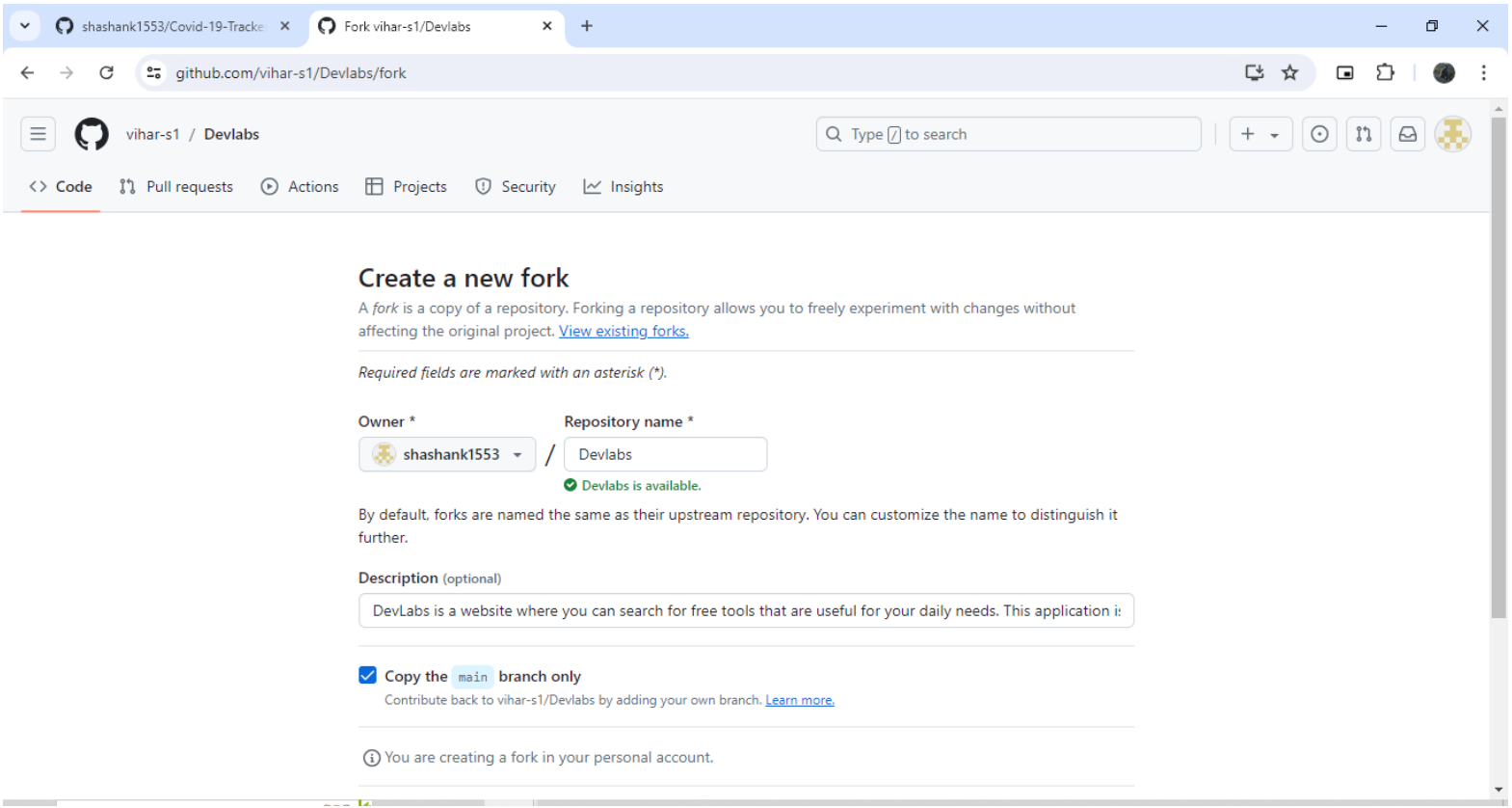
git hub→git fork



GIT Commands and Their Outputs

Shashanka K T

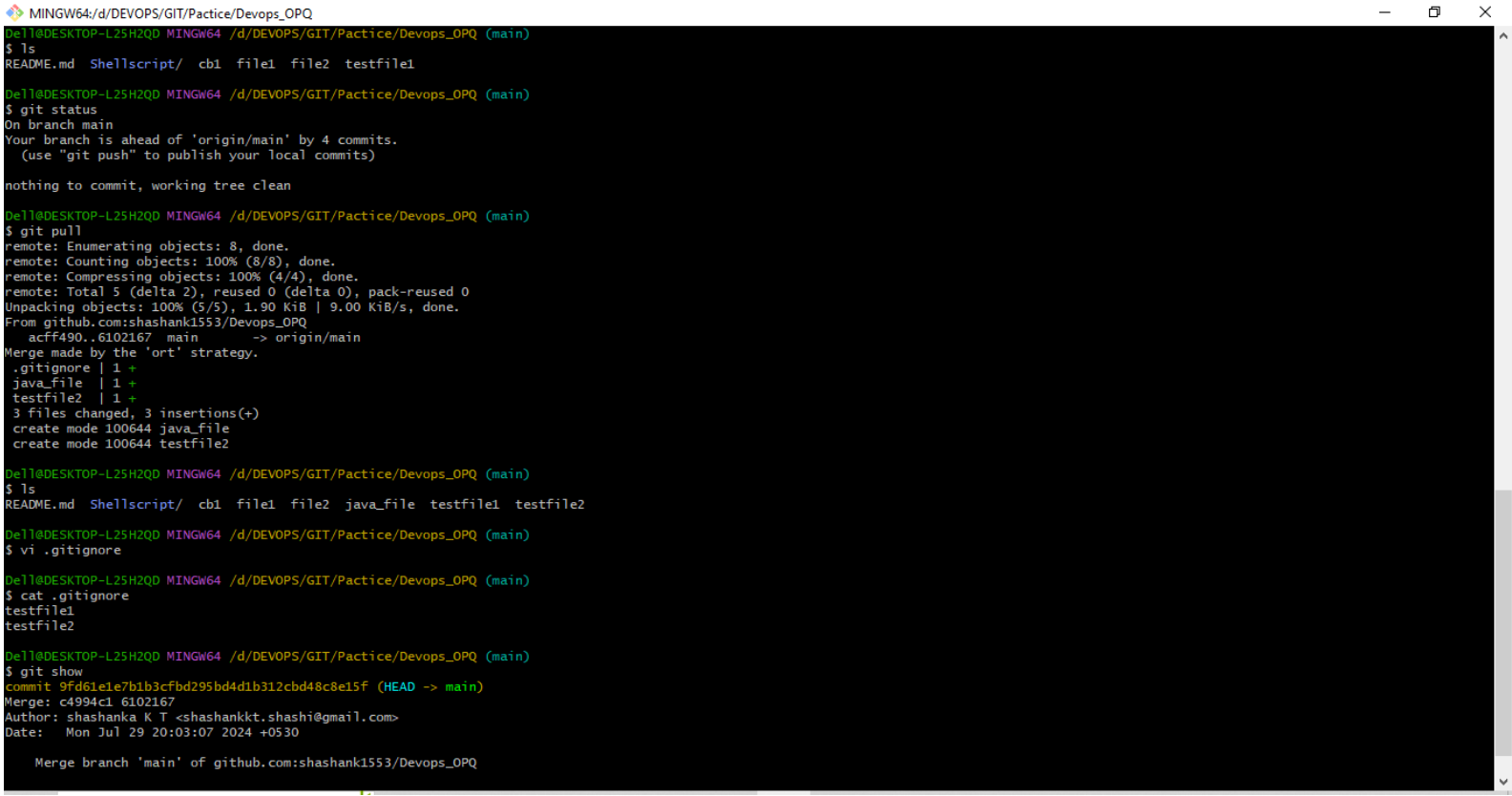
git hub→git fork



GIT Commands and Their Outputs

Shashanka K T

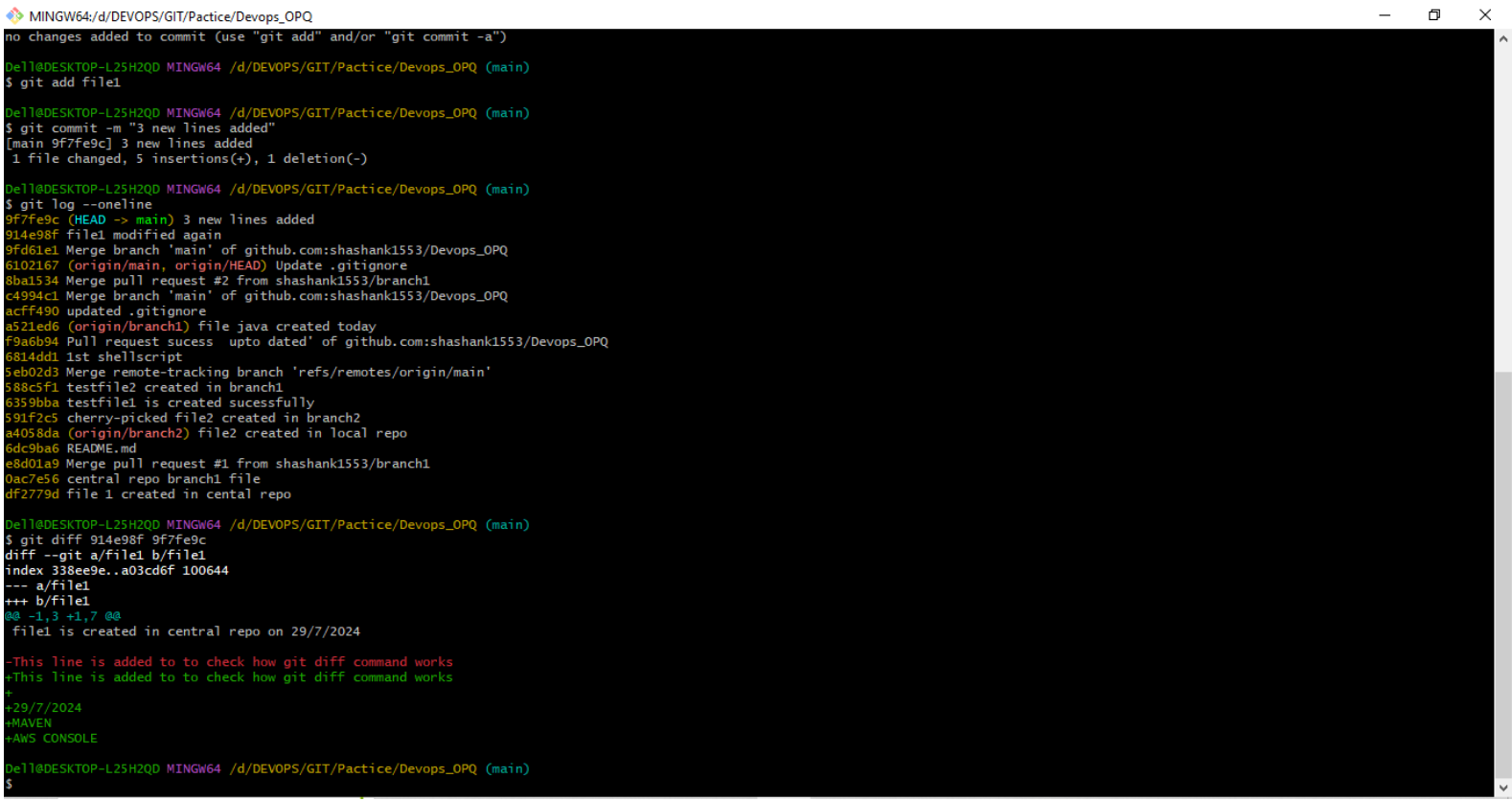
.gitignore, git show or git show <commoit ID>,



GIT Commands and Their Outputs

Shashanka K T

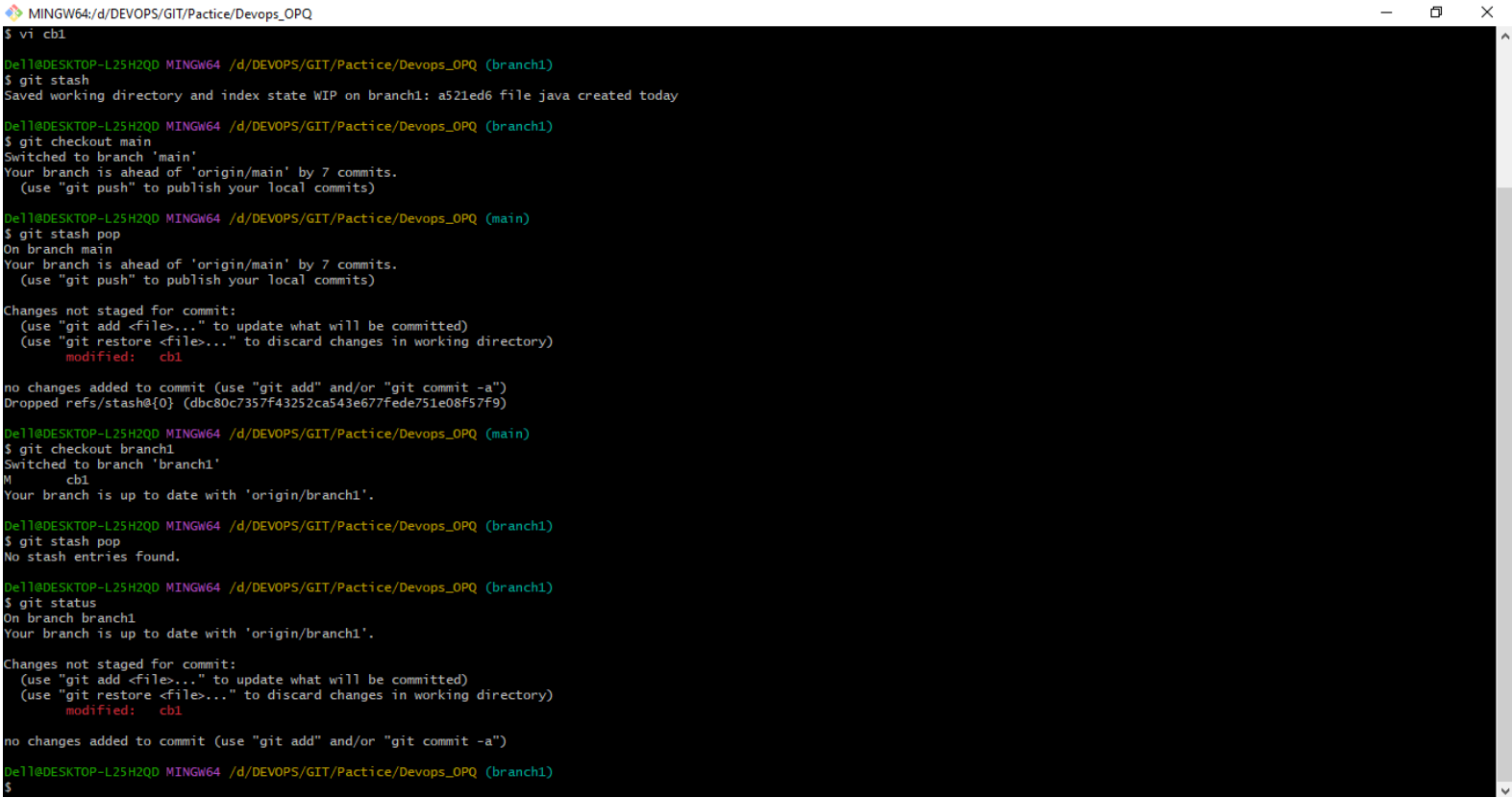
git diff <commit-ID-1> <commit-ID-2>



GIT Commands and Their Outputs

Shashanka K T

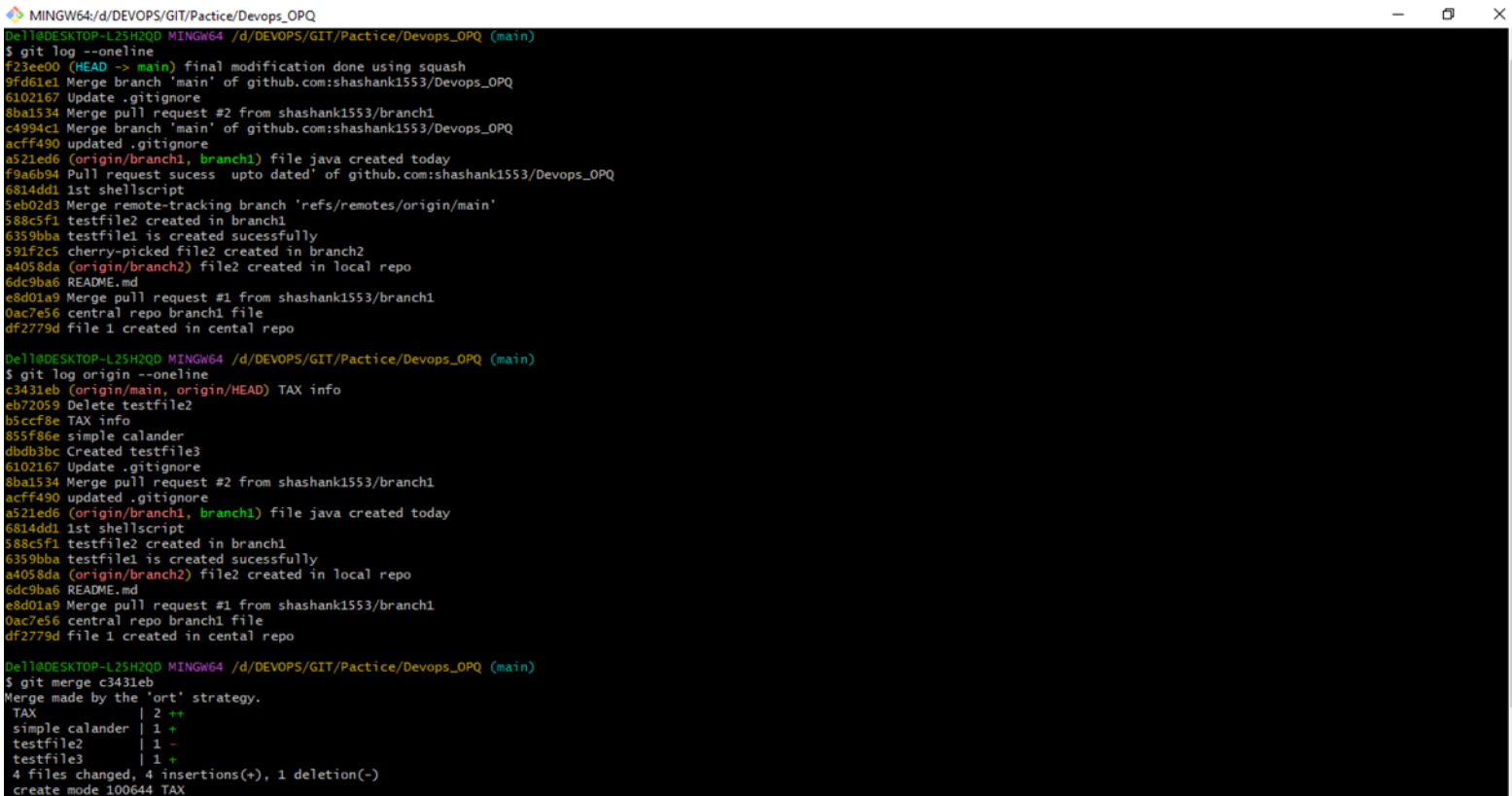
git stash ,git stash pop, git stash drop ,git status



GIT Commands and Their Outputs

Shashanka K T

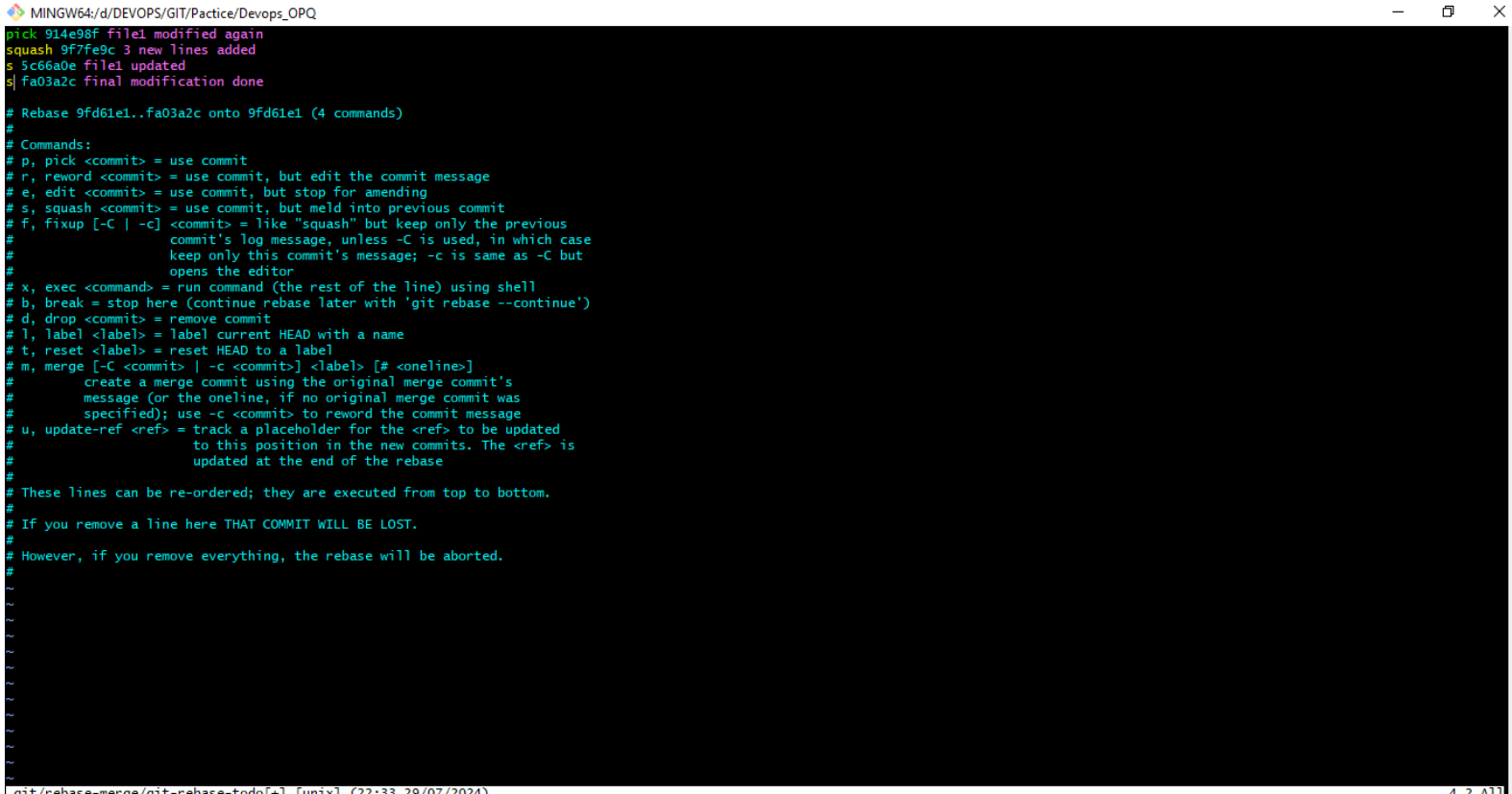
git squash→git rebase -i HEAD~4



GIT Commands and Their Outputs

Shashanka K T

git squash→git rebase -i HEAD~4

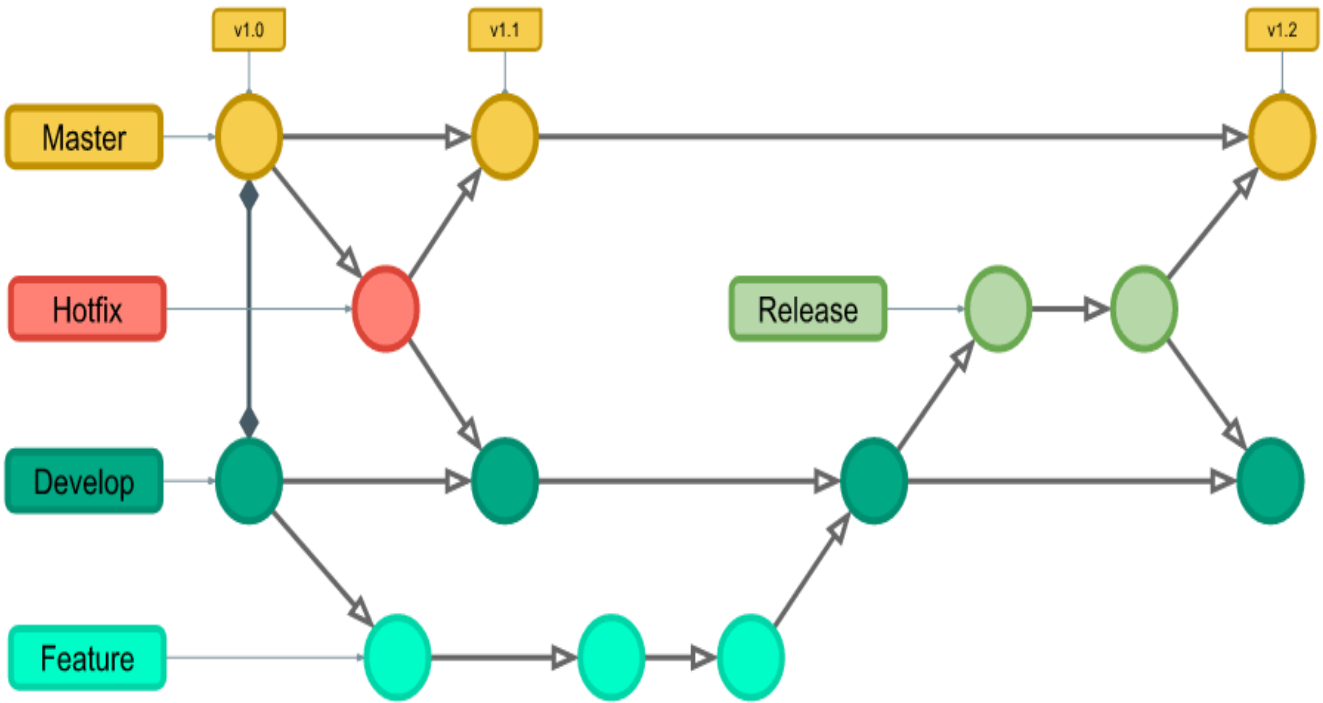

MINGW64:/d/DEVOPS/GIT/Pactice/Devops_OPQ
pick 914e98f file1 modified again
squash 9f7fe9c 3 new lines added
s 5c66a0e file1 updated
s fa03a2c final modification done
Rebase 9fd61e1..fa03a2c onto 9fd61e1 (4 commands)
#
Commands:
p, pick <commit> = use commit
r, reword <commit> = use commit, but edit the commit message
e, edit <commit> = use commit, but stop for amending
s, squash <commit> = use commit, but meld into previous commit
f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
commit's log message, unless -C is used, in which case
keep only this commit's message; -c is same as -C but
opens the editor
x, exec <command> = run command (the rest of the line) using shell
b, break = stop here (continue rebase later with 'git rebase --continue')
d, drop <commit> = remove commit
l, label <label> = label current HEAD with a name
t, reset <label> = reset HEAD to a label
m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
create a merge commit using the original merge commit's
message (or the oneline, if no original merge commit was
specified); use -c <commit> to reword the commit message
u, update-ref <ref> = track a placeholder for the <ref> to be updated
to this position in the new commits. The <ref> is
updated at the end of the rebase
#
These lines can be re-ordered; they are executed from top to bottom.
#
If you remove a line here THAT COMMIT WILL BE LOST.
#
However, if you remove everything, the rebase will be aborted.
#
~
~
~

GIT Commands and Their Outputs

Shashanka K T

git commit –amend

GIT Commands and Their Outputs

Shashanka K T

Branching Stratergy