

Instruction 1:

```
Command Prompt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        PRG1.txt
        PRG2.txt

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git add .

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git status
On branch master

No commits yet

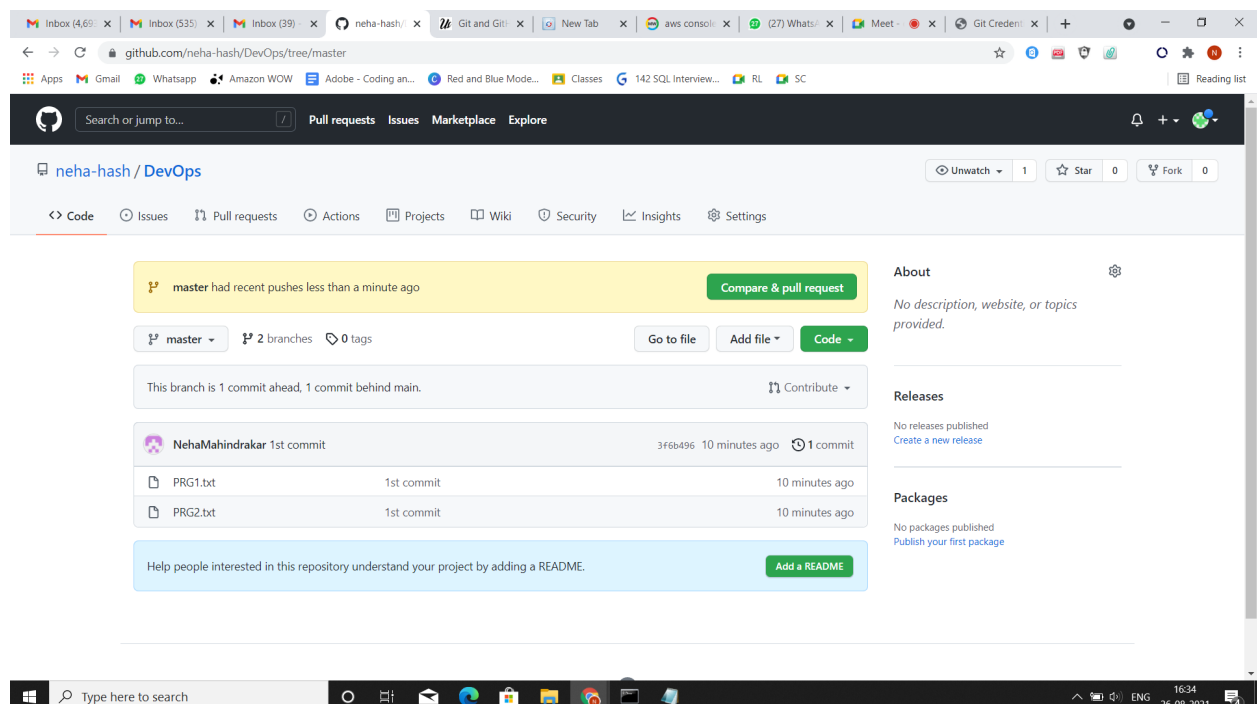
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   PRG1.txt
        new file:   PRG2.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git commit -m "1st commit"
[master (root-commit) 3f6b496] 1st commit
 2 files changed, 2 insertions(+)
 create mode 100644 PRG1.txt
 create mode 100644 PRG2.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git remote add origin https://[ghp_p8Sf5msaVw4dRNjVPFFG1s4QpyYck25EzBu]@github.com:neha-hash/DevOps.git

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git push origin master
info: please complete authentication in your browser...
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 265 bytes | 88.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/neha-hash/DevOps/pull/new/master
remote: To https://github.com/neha-hash/DevOps.git
 * [new branch]      master -> master

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>
```



Instruction 2:

```
Command Prompt
C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git checkout master
Switched to branch 'master'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log
commit 23367da0d105ada975257a118ef5dd3fb4fa3ff (HEAD -> master, Branch2)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 17:13:30 2021 -0400

    Changed PRG2 twice

commit 3f6b496bb57a7a7f7447c2b3504ae9edc623ca75 (origin/master, origin/Branch1)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400

    1st commit

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git merge Branch1
Auto-merging PRG2.txt
CONFLICT (content): Merge conflict in PRG2.txt
Automatic merge failed; fix conflicts and then commit the result.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log
commit 23367da0d105ada975257a118ef5dd3fb4fa3ff (HEAD -> master, Branch2)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 17:13:30 2021 -0400

    Changed PRG2 twice

commit 3f6b496bb57a7a7f7447c2b3504ae9edc623ca75 (origin/master, origin/Branch1)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400

    1st commit

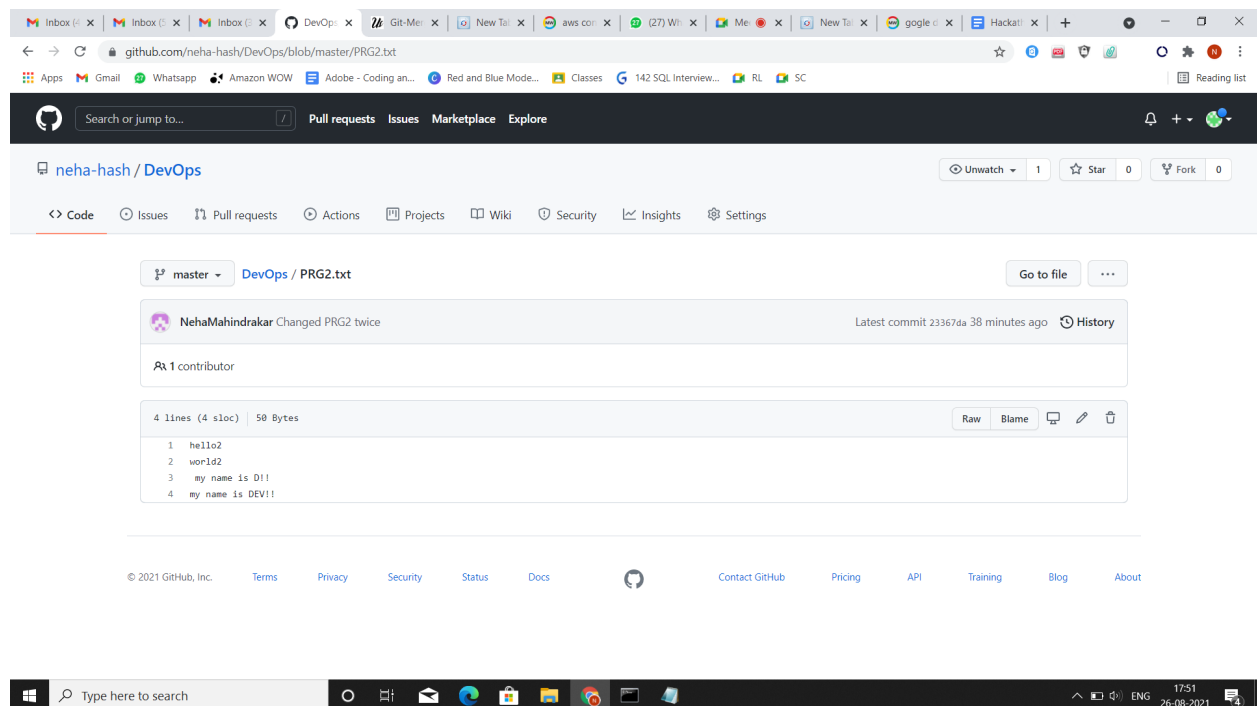
C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git branch -d Branch2
Deleted branch Branch2 (was 23367da).

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log
commit 23367da0d105ada975257a118ef5dd3fb4fa3ff (HEAD -> master)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 17:13:30 2021 -0400

    Changed PRG2 twice

commit 3f6b496bb57a7a7f7447c2b3504ae9edc623ca75 (origin/master, origin/Branch1)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400

    1st commit
```



Instruction 3:

Merge Conflict :

```
Command Prompt
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400

1st commit

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git push
fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin master

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git remote add origin https://[ghp_p8SfSmsaVw44RNjVPFFG1is4QpyYck2SEzBu]@github.com:neha-hash/DevOps.git
error: remote origin already exists.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git push origin master
info: please complete authentication in your browser...
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 368 bytes | 11.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com:neha-hash/DevOps.git
  3f6b496..23367da master -> master

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git checkout -b Branch3
Switched to a new branch 'Branch3'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>echo Instruction3 >> PRG1.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>switch master
'switch' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch master
error: you need to resolve your current index first
PRG2.txt: needs merge

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log
commit 23367da0d105ada975257a118ef5dd3fb4fa3ff (HEAD -> Branch3, origin/master, master)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 17:13:30 2021 -0400

    Changed PRG2 twice

commit 3f6b496bb57a7a7f7447c2b359daee9edc623ca75 (origin/Branch1)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400
```

```
Command Prompt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch master
error: you need to resolve your current index first
PRG2.txt: needs merge

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log
commit 23367da0d105ada975257a118ef5dd3fb4fa3ff (HEAD -> Branch3, origin/master, master)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 17:13:30 2021 -0400

    Changed PRG2 twice

commit 3f6b496bb57a7a7f7447c2b359daee9edc623ca75 (origin/Branch1)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400

1st commit

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git merge Branch1
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git add .

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git commit -m "3rd instruction"
[Branch3 01c342c] 3rd instruction
 2 files changed, 7 insertions(+)

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git checkout master
Switched to branch 'master'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git merge Branch3
Updating 23367da..01c342c
Fast-forward
 PRG1.txt | 1 +
 PRG2.txt | 6 +++++
 2 files changed, 7 insertions(+)

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch master
Already on 'master'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>echo my name !!! >> PRG1.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>
```

Instruction 4:

```
Command Prompt
C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch Branch2
Switched to branch 'Branch2'
M      PRG1.txt
M      PRG2.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>echo instruction4_new >> PRG2.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git add .

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git commit -m "instruction4"
[Branch2 648b467] instruction4
3 files changed, 4 insertions(+)
create mode 100644 PRG3.txt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git push origin Branch2
info: please complete authentication in your browser...
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 430 bytes | 215.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/nehahash/DevOps.git
 3f6b496..648b467 Branch2 -> Branch2

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log
commit 648b46722d6b1bab07895b6536d6d339c168393 (HEAD -> Branch2, origin/Branch2)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 18:26:07 2021 -0400

    instruction4

commit 01c342cdece62ae875b51119543345f1aa6e494 (origin/master, origin/Branch3, master, Branch3)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 18:03:51 2021 -0400

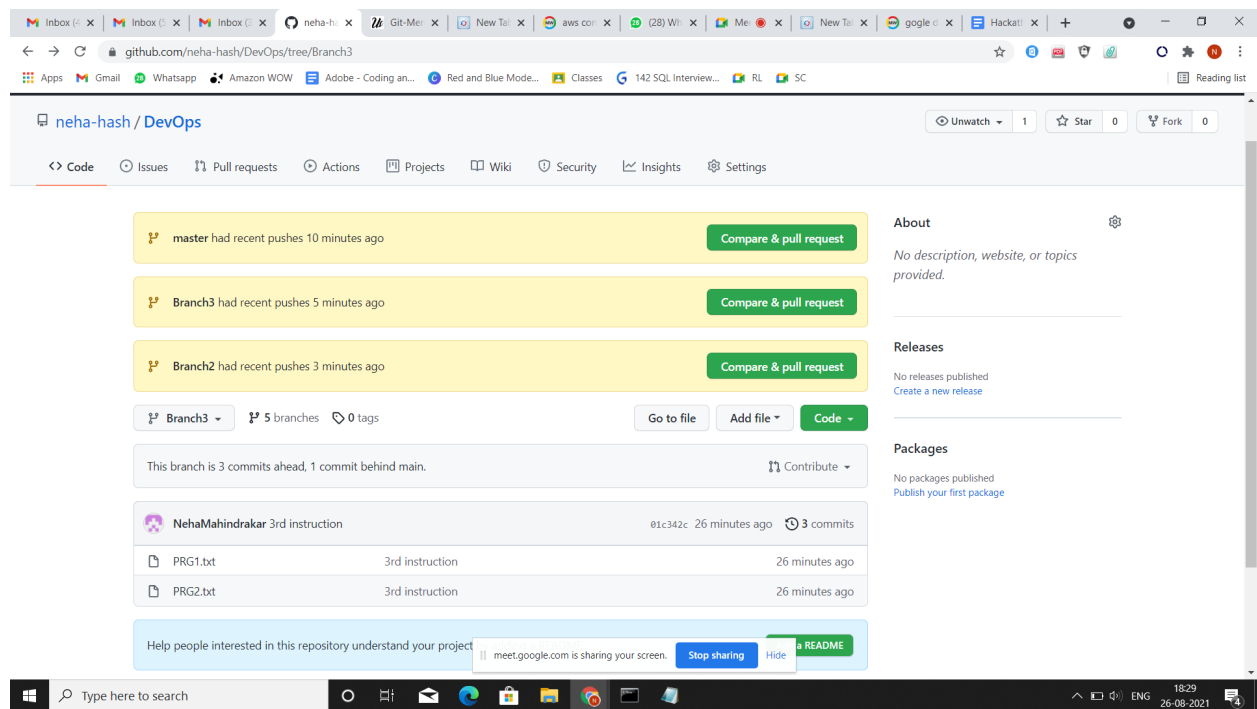
    3rd instruction

commit 23367da0d105ada975257a118ef5dd3fb4f4a3ff
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 17:13:30 2021 -0400

    Changed PRG2 twice

commit 3f6b496bb57a7a7f7447c2b3504ae9edc623ca75 (origin/Branch1)
Author: NehaMahindrakar <nehamahindrakar2000@gmail.com>
Date: Thu Aug 26 16:23:53 2021 -0400

    1st commit
```



Instruction 5:

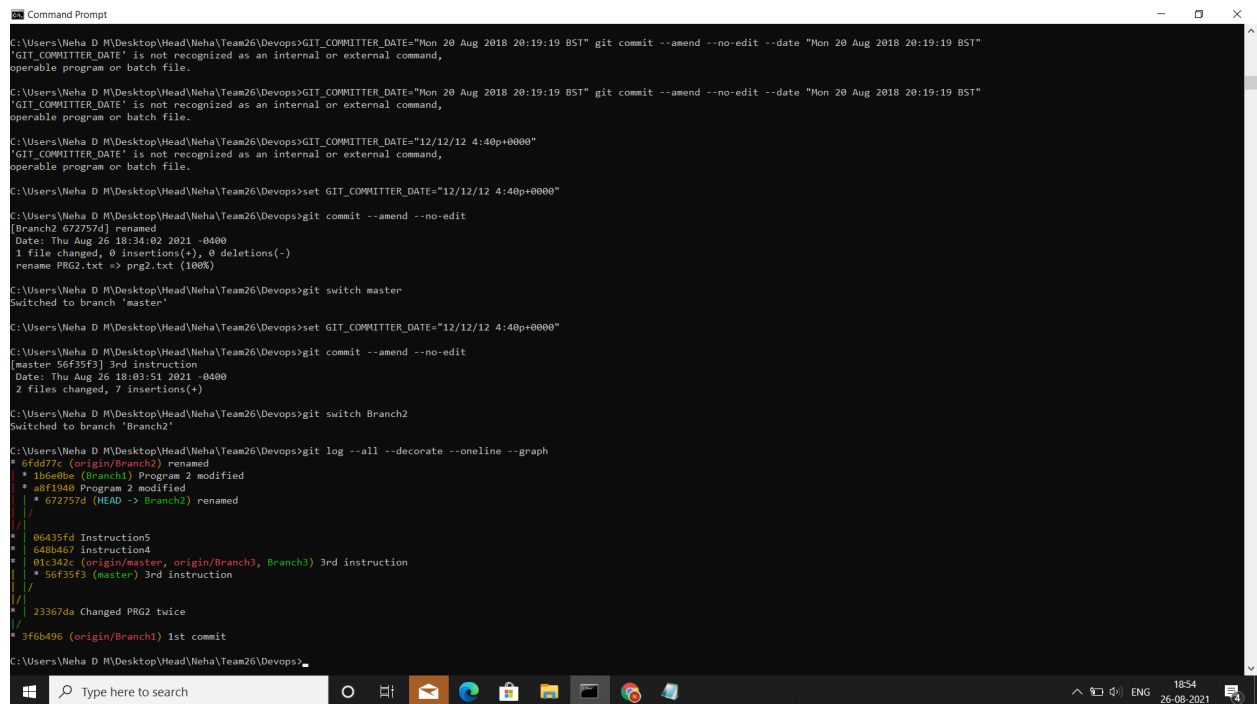
Instruction 6:

```
C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch master
Switched to branch 'master'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>set GIT_COMMITTER_DATE="12/12/12 4:40p+0000"

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git commit --amend --no-edit
[master 56f35f3] 3rd instruction
Date: Thu Aug 26 18:03:51 2021 -0400
2 files changed, 7 insertions(+)
```

Flow Diagram:



```
Command Prompt

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>GIT_COMMITTER_DATE="Mon 20 Aug 2018 20:19:19 BST" git commit --amend --no-edit --date "Mon 20 Aug 2018 20:19:19 BST"
'GIT_COMMITTER_DATE' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>GIT_COMMITTER_DATE="Mon 20 Aug 2018 20:19:19 BST" git commit --amend --no-edit --date "Mon 20 Aug 2018 20:19:19 BST"
'GIT_COMMITTER_DATE' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>GIT_COMMITTER_DATE="12/12/12 4:40p+0000"
'GIT_COMMITTER_DATE' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>set GIT_COMMITTER_DATE="12/12/12 4:40p+0000"

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git commit --amend --no-edit
[branch2 672757d] renamed
Date: Thu Aug 26 18:34:02 2021 -0400
1 file changed, 0 insertions(+), 0 deletions(-)
rename PRG2.txt => prg2.txt (100%)

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch master
Switched to branch 'master'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>set GIT_COMMITTER_DATE="12/12/12 4:40p+0000"

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git commit --amend --no-edit
[master 56f35f3] 3rd instruction
Date: Thu Aug 26 18:03:51 2021 -0400
2 files changed, 7 insertions(+)
```

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git switch Branch2
Switched to branch 'Branch2'

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>git log --all --decorate --oneline --graph

```
* 6fdd77c (origin/Branch2) renamed
* 1b6e0be (Branch1) Program 2 modified
* a8f1940 Program 2 modified
* 672757d (HEAD -> Branch2) renamed
/
/
/
* 06435fd Instruction5
* 640b4d9 Instruction4
* 01c342c (origin/master, origin/Branch3, Branch3) 3rd instruction
* 56f35f3 (master) 3rd instruction
/
/
/
23367da Changed PRG2 twice
* 3feb496 (origin/Branch1) 1st commit
```

C:\Users\Neha D M\Desktop\Head\Neha\Team26\Devops>