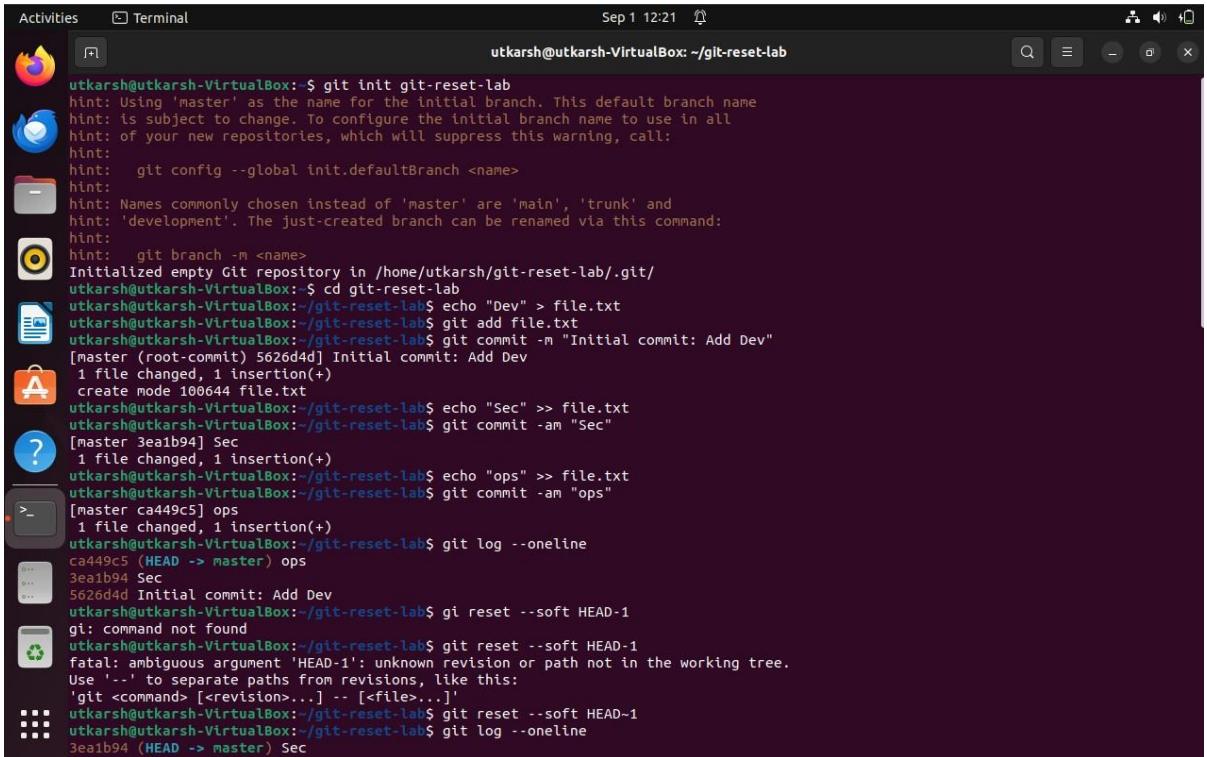


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500124586 B-3 DevOps

Lab 2

A screenshot of a Linux desktop environment showing a terminal window. The terminal window is titled "Terminal" and has the command "utkarsh@utkarsh-VirtualBox: ~/git-reset-lab". The terminal shows the following git command sequence:

```
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git init git-reset-lab
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/utkarsh/git-reset-lab/.git/
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ cd git-reset-lab
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ echo "Dev" > file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git add file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -m "Initial commit: Add Dev"
[master (root-commit) 5626d4d] Initial commit: Add Dev
 1 file changed, 1 insertion(+)
 create mode 100644 file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ echo "Sec" >> file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -am "Sec"
[master 3ea1b94] Sec
 1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ echo "ops" >> file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -am "ops"
[master ca449c5] ops
 1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
ca449c5 (HEAD -> master) ops
3ea1b94 Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --soft HEAD~1
git: command not found
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --soft HEAD~1
fatal: ambiguous argument 'HEAD~1': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'!
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --soft HEAD~1
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
3ea1b94 (HEAD -> master) Sec
```

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```
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --soft HEAD~1
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
3ea1b94 (HEAD -> master) Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:  file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -m "Recommit ops"
[master 9f6c95d] Recommit ops
 1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --mixed HEAD~1
Unstaged changes after reset:
 M     file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
3ea1b94 (HEAD -> master) Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ 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:  file.txt
no changes added to commit (use "git add" and/or "git commit -a")
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git add file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -m "Recommit Sec and ops"
[master 04d061c] Recommit Sec and ops
 1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --hard HEAD~1
HEAD is now at 3ea1b94 Sec
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
3ea1b94 (HEAD -> master) Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ cat file.txt
Dev
Sec
```

Activities Terminal Sep 1 12:21

```
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --hard HEAD~1
HEAD is now at 3ea1b94 Sec
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
3ea1b94 (HEAD -> master) Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ cat file.txt
Dev
Sec
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ echo "Sec" >> file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -am "Add Sec"
[master eb1e3c3] Add Sec
 1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ echo "ops" >> file.txt
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git commit -am "Add ops"
[master 27d8142] Add ops
 1 file changed, 1 insertion(+)
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
27d8142 (HEAD -> master) Add ops
eb1e3c3 Add Sec
3ea1b94 Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git reset --hard <commit-hash>
bash: syntax error near unexpected token `newline'
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
27d8142 (HEAD -> master) Add ops
eb1e3c3 Add Sec
3ea1b94 Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ cat file.txt
Dev
Sec
Sec
ops
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$ git log --oneline
27d8142 (HEAD -> master) Add ops
eb1e3c3 Add Sec
3ea1b94 Sec
5626d4d Initial commit: Add Dev
utkarsh@utkarsh-VirtualBox:~/git-reset-lab$
```