

Name – Rachit Shrivastava

Sap Id – 50019571

Batch – DevoOps B3

## Experiment -2

```
rachit@rachit-VirtualBox:~$ 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:
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/rachit/git-reset-lab/.git/
rachit@rachit-VirtualBox:~$ cd git-reset-lab
rachit@rachit-VirtualBox:~/git-reset-lab$ echo "Dev" > file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git add file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -m "Initial commit: Add Dev"
[master (root-commit) b2e320c] Initial commit: Add Dev
 1 file changed, 1 insertion(+)
 create mode 100644 file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ echo "Sec" >> file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -am "Sec"
[master 1ba0a2f] Sec
 1 file changed, 1 insertion(+)
rachit@rachit-VirtualBox:~/git-reset-lab$ echo "Ops" >> file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -am "Ops"
[master b2221c3] Ops
 1 file changed, 1 insertion(+)
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
b2221c3 (HEAD -> master) Ops
1ba0a2f Sec
b2e320c Initial commit: Add Dev
rachit@rachit-VirtualBox:~/git-reset-lab$ git reset --soft HEAD~1
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
1ba0a2f (HEAD -> master) Sec
b2e320c Initial commit: Add Dev
b2e320c Initial commit: Add Dev
rachit@rachit-VirtualBox:~/git-reset-lab$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   file.txt

rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -m "Recommit Ops"
[master 039359f] Recommit Ops
 1 file changed, 1 insertion(+)
rachit@rachit-VirtualBox:~/git-reset-lab$ git reset --mixed HEAD~1
Unstaged changes after reset:
M       file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
1ba0a2f (HEAD -> master) Sec
b2e320c Initial commit: Add Dev
rachit@rachit-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")
rachit@rachit-VirtualBox:~/git-reset-lab$ git add file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -m "Recommit Sec and Ops"
[master 94a6082] Recommit Sec and Ops
 1 file changed, 1 insertion(+)
rachit@rachit-VirtualBox:~/git-reset-lab$ git reset --hard HEAD~1
HEAD is now at 1ba0a2f Sec
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
1ba0a2f (HEAD -> master) Sec
b2e320c Initial commit: Add Dev
rachit@rachit-VirtualBox:~/git-reset-lab$ cat file.txt
Dev
Sec
rachit@rachit-VirtualBox:~/git-reset-lab$ echo "Sec" >> file.txt
```

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```
rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -am "Add Sec"
[master d087652] Add Sec
1 file changed, 1 insertion(+)
rachit@rachit-VirtualBox:~/git-reset-lab$ echo "Ops" >> file.txt
rachit@rachit-VirtualBox:~/git-reset-lab$ git commit -am "Add Ops"
[master 67f1812] Add Ops
1 file changed, 1 insertion(+)
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
67f1812 (HEAD -> master) Add Ops
d087652 Add Sec
1ba0a2f Sec
b2e320c Initial commit: Add Dev
rachit@rachit-VirtualBox:~/git-reset-lab$ git reset --hard <commit-hash>
bash: syntax error near unexpected token `newline'
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
67f1812 (HEAD -> master) Add Ops
d087652 Add Sec
1ba0a2f Sec
b2e320c Initial commit: Add Dev
rachit@rachit-VirtualBox:~/git-reset-lab$ cat file.txt
Dev
Sec
Sec
Ops
rachit@rachit-VirtualBox:~/git-reset-lab$ git log --oneline
67f1812 (HEAD -> master) Add Ops
d087652 Add Sec
1ba0a2f Sec
b2e320c Initial commit: Add Dev
```