

# Git Assignment

## 1.Create a New Repository :

```
aliasgarsaifee@Alis-MacBook-Air ~ % mkdir git-assignment-1
aliasgarsaifee@Alis-MacBook-Air ~ % cd git-assignment-1
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git init
```

## 2.Create a New file :

```
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % touch testone.txt
```

## 3.Create new Branch :

```
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git branch
* master
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git branch newbranch
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git branch
* master
  newbranch
```

## 4.Make changes in the new Branch :

```
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git checkout newbranch
Switched to branch 'newbranch'
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git add testtwo.txt
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git commit -m "add testtwo to codebase"
```

## 5.Merge Branches :

```
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git branch
* master
  newbranch
  testbranch
aliasgarsaifee@Alis-MacBook-Air git-assignment-1 % git merge newbranch
```

## 6.Pull Changes from Remote:

> *git pull origin master*

## 7. Git status and staging

```
aliasgarsaiffee@Alis-MacBook-Air git-assignment-1 % git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    testfour.txt

nothing added to commit but untracked files present (use "git add" to track)
aliasgarsaiffee@Alis-MacBook-Air git-assignment-1 % git add testfour.txt
aliasgarsaiffee@Alis-MacBook-Air git-assignment-1 % git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   testfour.txt
```

## 8. Git Log and History

```
aliasgarsaiffee@Alis-MacBook-Air git-assignment-1 % git log --oneline
6e7cd9e (HEAD -> master) add testfour to codebase'
d0805df (newbranch) add testtwo to codebase
31f6584 add testone to code base
```

## 9. Revert and Reset

```
aliasgarsaiffee@Alis-MacBook-Air git-assignment-1 % git revert 6e7cd9e
[master 8733885] Revert "add testfour to codebase'"
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 testfour.txt
```

> *git reset --hard <commit hash>*

> *git revert <commit hash>*



