

# DEVOPS VIRTUAL HACKATHON – 1

## Instruction -1

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git remote add origin git@github.com:nikhilkumar1602/Devops.git
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git pull origin master
Starting fsmonitor-daemon in 'e:/nikhil/Devops/Team25/XYZ Company/Programmer A'
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 15 (delta 1), reused 15 (delta 1), pack-reused 0
Unpacking objects: 100% (15/15), 1.23 KiB | 0 bytes/s, done.
from github.com:nikhilkumar1602/Devops
* branch      master       -> FETCH_HEAD
* [new branch] master       -> origin/master
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ 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:   PRG1.txt

no changes added to commit (use "git add" and/or "git commit -a")
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git add -A
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git commit -m "C1-team25"
[master 4a190e7] C1-team25
1 file changed, 1 insertion(+), 1 deletion(-)
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git add -A
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git commit -m "C2-team25"
[master 331377a] C2-team25
1 file changed, 1 insertion(+), 1 deletion(-)
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git push -u origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 663 bytes | 331.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
to github.com:nikhilkumar1602/Devops.git
3fe46c..331377a master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$
```

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company (master)
$ ls
PRG1.txt PRG2.txt PRG3.txt
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company (master)
$ git status
On branch master

No commits yet

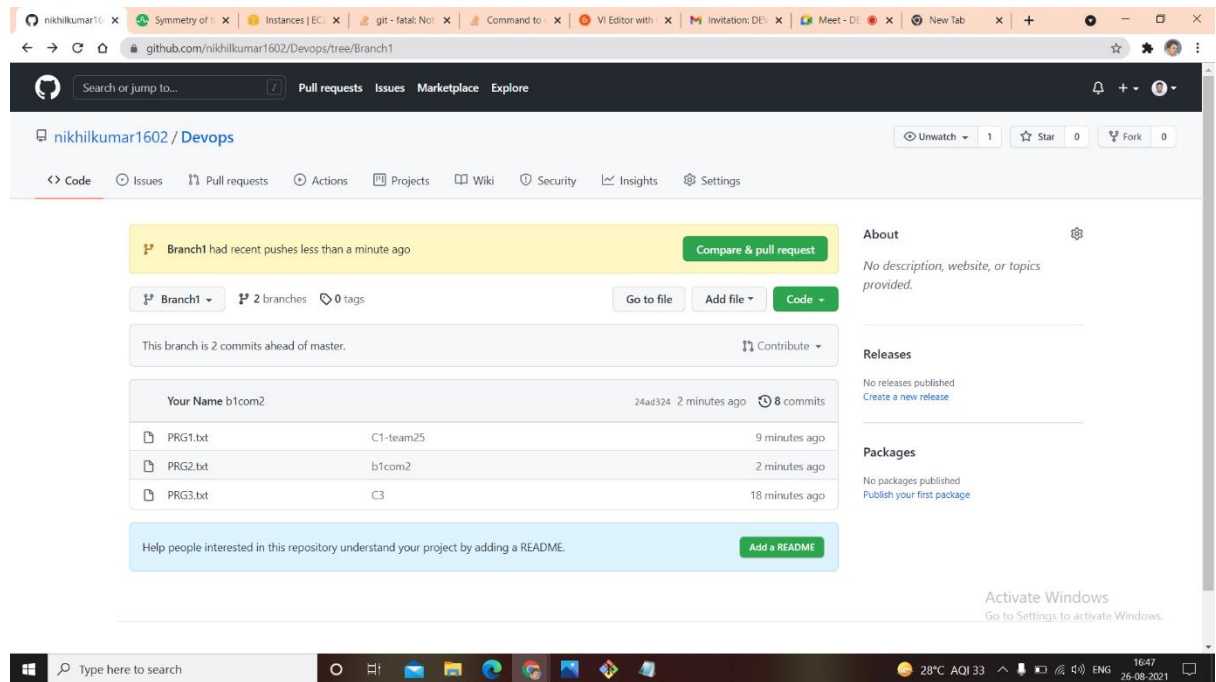
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   PRG1.txt
        new file:   PRG2.txt
        new file:   PRG3.txt

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:   PRG1.txt
        modified:   PRG2.txt

n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company (master)
$ git commit -m "C1"
[master (root-commit) 0190398] C1
3 files changed, 3 insertions(+)
create mode 100644 PRG1.txt
create mode 100644 PRG2.txt
create mode 100644 PRG3.txt
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company (master)
$ git commit -m "C2"
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:   PRG1.txt
        modified:   PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company (master)
$ 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:   PRG1.txt
        modified:   PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")
n.nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company (master)
$ git commit -m "C2"
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:   PRG1.txt
        modified:   PRG2.txt
```



## Instruction 2

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer B
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  PRG4.txt

nothing added to commit but untracked files present (use "git add" to track)
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git add -A
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git commit -m 'b2com2'
[Branch2 d752ald] b2com2
 1 file changed, 1 insertion(+),
 create mode 100644 PRG4.txt
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git merge master
Already up to date.
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git checkout master
Switched to branch 'master'
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git merge Branch2
Updating 18e2778..d752ald
Fast-forward
 PRG4.txt | 1 +
 1 file changed, 1 insertion(+),
 create mode 100644 PRG4.txt
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git push -u origin master
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% (3/3); 276 bytes | 276.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:nikhilkumar1602/Devops:git
 351357a..d752ald master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git branch -d origin Branch2
error: branch 'origin/branch2' not found.
warning: not deleting branch 'Branch2' that is not yet merged to
'refs/remotes/origin/branch2', even though it is merged to HEAD.
error: The branch 'Branch2' is not fully merged.
If you are sure you want to delete it, run 'git branch -D Branch2'.
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git branch -D Branch2
Deleted branch Branch2 (was d752ald).
n nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$
```

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer B
remote: Compressing objects: 100% (15/15), done.
remote: Total 21 (delta 1), reused 21 (delta 1), pack-reused 0
Unpacking objects: 100% (21/21), 1.84 KiB | 1024 bytes/s, done.
From github.com:nikhilkumar1602/Devops
   branch            master       -> FETCH_HEAD
   * [new branch]    master       -> origin/master

$ git branch Branch2
$ git checkout Branch2
Switched to branch 'Branch2'

$ ls
PRG1.txt  PRG2.txt  PRG3.txt

$ git status
On branch Branch2
Changes not staged for commit:
  (use "git add <files>..." to update what will be committed)
  (use "git restore <files>..." to discard changes in working directory)
       modified:   PRG2.txt

no changes added to commit (use "git add" and/or "git commit -a")

$ git add -A
$ git commit -m 'b2com1'
[Branch2 15e2278] b2com1
1 file changed, 1 insertion(+), 1 deletion(-)

$ git push -u origin master
$ git push -u origin Branch2
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 321 bytes | 321.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'Branch2' on GitHub by visiting:
remote:   https://github.com/nikhilkumar1602/Devops/pull/new/Branch2
remote:
To github.com:nikhilkumar1602/Devops.git
 * [new branch]    Branch2 -> Branch2
Branch 'Branch2' set up to track remote branch 'Branch2' from 'origin'.

$ git merge Branch1
merge: Branch1 - not something we can merge

$ git checkout Branch1
error: pathspec 'Branch1' did not match any file(s) known to git

$ git checkout master
Switched to branch 'master'

$ git merge Branch2
Updating 351357a..15e2278
Fast-forward
 PRG2.txt | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

$ ls
PRG1.txt  PRG2.txt  PRG3.txt

$
```

Switched to branch 'Branch2'.  
Your branch is up to date with 'origin/Branch2'.  
\$ ls  
PRG1.txt PRG2.txt PRG3.txt PRG4.txt  
\$ git status  
on branch Branch2  
Your branch is up to date with 'origin/Branch2'.  
Untracked files:  
(use "git add <file>..." to include in what will be committed)  
PRG4.txt  
nothing added to commit but untracked files present (use "git add" to track)  
\$ git add -A  
\$ git commit -m "b2com2"  
[Branch2 d752a1d] b2com2  
1 file changed, 1 insertion(+)  
create mode 100644 PRG4.txt  
\$ git merge master  
Already up to date.  
\$ git checkout master  
Switched to branch 'master'  
\$ git merge Branch2  
Updating 15e2278..d752a1d  
Fast-forward  
PRG4.txt | 1 +  
1 file changed, 1 insertion(+)  
create mode 100644 PRG4.txt  
\$ git push -u origin master  
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% (3/3), 276 bytes | 276.00 KiB/s, done.  
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (1/1), completed with 1 local object.  
to github.com:nikhilkumar1602/Devops.git  
351357a..d752a1d master -> master  
Branch 'master' set up to track remote branch 'master' from 'origin'.  
\$

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Your Name b2com2		d752a1d 1 minute ago 8 commits
PRG1.txt	C1-team25	26 minutes ago
PRG2.txt	b2com1	11 minutes ago
PRG3.txt	C3	35 minutes ago
PRG4.txt	b2com2	1 minute ago

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## Instruction 3

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
$ ls
PRG1.txt PRG2.txt PRG2.txt.orig PRG3.txt PRG4.txt
$ git add -A
$ git commit -m 'k'
bash: git: command not found
$ git commit -m 'k'
(master 2410ff4) k
1 file changed, 9 deletions(-)
delete mode 100644 PRG2.txt.orig
$ git checkout Branch3
Switched to branch 'Branch3'
$ git add -A
$ git commit -m 'k'
[Branch3 aa9eeb8] k
1 file changed, 1 insertion(+), 1 deletion(-)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)
$ git merge Branch3
Auto-merging PRG1.txt
CONFLICT (content): Merge conflict in PRG1.txt
Automatic merge failed; fix conflicts and then commit the result.
$ |
```

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```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
XYZ company are making project using machine learning algorithms for
XYZ company are making project using machine learning algorithms for
XYZ company are making project using machine learning algorithms for
PRG1_LOCAL_2793.txt [dos] (17:44 26/08/2021) 1.1 A11 ./PRG1_BASE_2793.txt [dos] (17:44 26/08/2021) 1.1 A11 ./PRG1_REMOTE_2793.txt [dos] (17:44 26/08/2021) 1.1 A11
<<<<<<< HEAD
XYZ company are making project using machine learning algorithms
-----
XYZ company are making project using machine learning algorithms for prediction purpose
>>>>>>> Branch3
PRG1.txt [dos] (17:44 26/08/2021)
-- INSERT --
```

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```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
PRG1.txt PRG2.txt PRG2.txt.orig PRG3.txt PRG4.txt
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git add -A
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git commit -m 'k'
bash: git: command not found
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git commit -m 'k'
(master 2410ff4) k
1 file changed, 9 deletions(-)
delete mode 100644 PRG2.txt.orig
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git checkout Branch3
switched to branch 'Branch3'
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch3)
$ git add -A
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch3)
$ git commit -m 'k'
[Branch3 aa5eeb8] k
1 file changed, 1 insertion(+), 1 deletion(-)
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch3)
$ git checkout master
switched to branch 'master'
Your branch is ahead of 'origin/master' by 4 commits.
(use "git push" to publish your local commits)
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git merge Branch3
Auto-merging PRG1.txt
CONFLICT (content): Merge conflict in PRG1.txt
Automatic merge failed; fix conflicts and then commit the result.
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git mergetool
This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
opendiff kdiff3 tkdiff xdiff meld tortoisemerge gvimdiff diffmerge ecmerge p4merge araxis bc codecompare smerge emerge vimdiff nvimdiff
Merging:
PRG1.txt
Normal merge conflict for 'PRG1.txt':
  (local): modified file
  (remote): modified file
git return to start merge resolution tool (vimdiff):
4 files to edit
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$
```

## Instruction 4

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer B
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git checkout Branch2
switched to a new branch 'Branch2'
Branch 'Branch2' set up to track remote branch 'Branch2' from 'origin'.
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git status
On branch Branch2
Your branch is up to date with 'origin/Branch2'.
nothing to commit, working tree clean
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git status
On branch Branch2
Your branch is up to date with 'origin/Branch2'.
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:   PRG2.txt
no changes added to commit (use "git add" and/or "git commit -a")
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git stash
saved working directory and index state WIP on Branch2: 15e2278 b2com1
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$
```

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer B
$ git checkout Branch2
Switched to a new branch 'Branch2'
Branch 'Branch2' set up to track remote branch 'Branch2' from 'origin'.
$ git status
On branch Branch2
Your branch is up to date with 'origin/Branch2'.

nothing to commit, working tree clean
$ git status
On branch Branch2
Your branch is up to date with 'origin/Branch2'.

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:   prog2.txt

no changes added to commit (use "git add" and/or "git commit -a")
$ git stash
Saved working directory and index state WIP on Branch2: 15e2278 b2com1
$ git stash list
stash@0: WIP on Branch2: 15e2278 b2com1
$ git checkout Branch3
Switched to branch 'Branch3'
$ git add -A
$ git commit -m "H
[Branch3: 2284a87] H
1 file changed, 1 insertion(+), 1 deletion(-)
$ git checkout Branch2
Switched to branch 'Branch2'
Your branch is up to date with 'origin/Branch2'.
$ git stash -u
No local changes to save
$ git stash list
stash@0: WIP on Branch2: 15e2278 b2com1
$ git stash apply 0
On branch Branch2
Your branch is up to date with 'origin/Branch2'.

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:   prog2.txt

no changes added to commit (use "git add" and/or "git commit -a")
$ git stash -u
Saved working directory and index state WIP on Branch2: 15e2278 b2com1
$
```



### Instruction 5



```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
Your branch is up to date with 'origin/master'.
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   PRG1.txt
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:   PRG2.txt
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git checkout Branch2
Switched to branch 'Branch2'
M    PRG1.txt
M    PRG2.txt
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git mv PRG2.txt prg2.txt
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git show branch --all
fatal: ambiguous argument 'branch': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
git <command> [<revision>...] -- [<file>...]
```

```
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git show-branch --all
[Branch2] k
| [Branch3] k
| [master] k
| [origin/Branch1] b1com2
| [origin/master] k
-----
+ [Branch3] k
+ + [Branch2] k
+ + [Branch2A] w
+ + [Branch3A] f
+ + [Branch3-2] ins3
+ + [Branch3-3] solve merge conflict
+ + [Branch3-4] b1com1
+ + [Branch3-5] b2com2
+ + [Branch3-6] b2com1
+ + [origin/Branch1] b1com2
+ + [origin/Branch1A] b1com1
+ + [Branch3-7] C2-team25
+ + +
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ GIT_COMMITTER_DATE="Mon 20 Aug 2018 20:19:19 BST" git commit --amend --no-edit --date "Thu 26 Aug 2021 20:19:19 BST"
[Branch2 794c0d0] k
Date: Thu Aug 26 20:19:19 2021 +0100
3 files changed, 4 insertions(+), 9 deletions(-)
delete mode 100644 PRG2.txt.orig
rename PRG2.txt => prg2.txt (100%)
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$
```

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git mv PRG2.txt prg2.txt
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git show branch --all
fatal: ambiguous argument 'branch': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]
```

```
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git show-branch --all
[Branch2] k
| [Branch3] k
| [master] k
| [origin/Branch1] b1com2
| [origin/master] k
-----
+ [Branch3] k
+ + [Branch2] k
+ + [Branch2A] w
+ + [Branch3A] f
+ + [Branch3-2] ins3
+ + [Branch3-3] solve merge conflict
+ + [Branch3-4] b1com1
+ + [Branch3-5] b2com2
+ + [Branch3-6] b2com1
+ + [origin/Branch1] b1com2
+ + [origin/Branch1A] b1com1
+ + [Branch3-7] C2-team25
+ + +
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ GIT_COMMITTER_DATE="Mon 20 Aug 2018 20:19:19 BST" git commit --amend --no-edit --date "Thu 26 Aug 2021 20:19:19 BST"
[Branch2 794c0d0] k
Date: Thu Aug 26 20:19:19 2021 +0100
3 files changed, 4 insertions(+), 9 deletions(-)
delete mode 100644 PRG2.txt.orig
rename PRG2.txt => prg2.txt (100%)
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git log --oneline
794c0d0 (HEAD -> Branch2) k
0a29a5d w
3df785a f
7b0707f ins3
9d8e2ae solve merge conflict
e3b9aca b1com1
d752a1d b2com2
13e2278 b2com1
511337a C2-team25
4a190e7 C1-team25
374ef0c C1
7816d4f C3
b02148e C2
0190398 C1
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$
```

# Instruction 6

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
0a29a3d w
3df789a f
7b0707f ins3
9d8e2ae solve merge conflict
e309aca b1com1
d752a1d b2com2
15e2278 b2com1
331357a C2-team25
4a190e7 C1-team25
54efdc C1
783664f C3
b02148e C2
0190398 C1

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git revert 794c0d0
error: Your local changes to the following files would be overwritten by merge:
       prg2.txt
Please commit your changes or stash them before you merge.
error: The following untracked working tree files would be overwritten by merge:
       PRG2.txt
Please move or remove them before you merge.
Aborting
fatal: revert failed

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git revert k
$ git revert k
fatal: bad revision 'k'

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git add -A
$ git commit -m "j"
[branch2 4df0edd] j
1 file changed, 2 insertions(+)

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git revert changes to the following files would be overwritten by merge:
fatal: bad revision 'changes'

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ prg2.txt
bash: prg2.txt: command not found

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ Please commit your changes or stash them before you merge.
bash: Please: command not found

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git revert 794c0d0
[branch2 3a69333] Revert "k"
3 files changed, 9 insertions(+), 4 deletions(-)
rename prg2.txt => PRG2.txt (100%)
create mode 100644 PRG2.txt.orig

Nikhil Kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ |

MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
commit 3a6933b70257f7923040e346852cad85277fdd3 (HEAD -> Branch2)
Author: Your Name <you@example.com>
Date: Thu Aug 26 18:25:01 2021 +0530

    Revert "k"

    This reverts commit 794c0d035b077886d6525a5b0b2d2131f3a82d8b.

commit 4df0edd97ac56dd5e8109650ff217ad44c5671c
Author: Your Name <you@example.com>
Date: Thu Aug 26 18:24:28 2021 +0530

    j

commit 794c0d035b077886d6525a5b0b2d2131f3a82d8b
Author: Your Name <you@example.com>
Date: Thu Aug 26 20:19:19 2021 +0100

    k

commit 0a29a5d0a6497afe690a8016c0ae67bd75588121
Author: Your Name <you@example.com>
Date: Thu Aug 26 17:39:58 2021 +0530

    w

commit 3df789a18f19c1648d022d0e601f7b63ac72e79d
Author: Your Name <you@example.com>
Date: Thu Aug 26 17:38:35 2021 +0530

    f

commit 7b0707f615b2acd043e705b7f6bace312eb38799
Author: Your Name <you@example.com>
Date: Thu Aug 26 17:33:44 2021 +0530

    ins3

commit 9d8e2aeae86726ef445828d7f12d2459c2577c3
Author: Your Name <you@example.com>
Date: Thu Aug 26 16:45:52 2021 +0530

    solve merge conflict

commit e309aca6136ac159945ee38b0c93f0c30b15241
Author: Your Name <you@example.com>
Date: Thu Aug 26 16:45:09 2021 +0530

    b1com1

commit d752a1d43af2bcd19c40603a176c8c25506344d
Author: Your Name <you@example.com>
Date: Thu Aug 26 17:03:16 2021 +0530

    b2com2

commit 15e2278cb239f1a2c50947a11f4a9c63b7bbf5d9
$ |
```

# Instruction 7

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer B
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git remote add origin git@github.com:nikhilkumar1602/devops.git
error: remote origin already exists.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git checkout Branch3
Switched to branch 'Branch3'

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch3)
$ git push origin Branch3
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 293.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote: Create a pull request for 'Branch3' on GitHub by visiting:
remote:   https://github.com/nikhilkumar1602/devops/pull/new/Branch3
remote:
to github.com:nikhilkumar1602/devops.git
+ [new branch]      Branch3 -> Branch3

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch3)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 2 commits.
(use "git push" to publish your local commits)

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git merge Branch3
merge: Branch3 - not something we can merge

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git checkout Branch2
Switched to branch 'Branch2'
Your branch is up to date with 'origin/Branch2'.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (Branch2)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 2 commits.
(use "git push" to publish your local commits)

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git merge Branch2
Already up to date.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer B (master)
$ git merge Branch3
Already up to date.
```

Activate Windows  
Go to Settings to activate Windows.

```
MINGW64/e/nikhil/Devops/Team25/XYZ Company/Programmer A
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (Branch2)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git merge Branch1
merge: Branch1 - not something we can merge

Did you mean this?
    origin/Branch1

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git merge Branch2
Merge made by the 'recursive' strategy.
 PRG2.txt | 2 ++
 1 file changed, 2 insertions(+)

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master)
$ git merge Branch3
Auto-merging PRG1.txt
CONFLICT (content): Merge conflict in PRG1.txt
Automatic merge failed; fix conflicts and then commit the result.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master|MERGING)
$ git push origin master
Enumerating objects: 16, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 4 threads
Compressing objects: 100% (10/10), 1.09 MiB/s, done.
Writing objects: 100% (10/10), 1.09 MiB/s, done.
Total 10 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 2 local objects.
to github.com:nikhilkumar1602/devops.git
2410ff4..c7830b1 master -> master

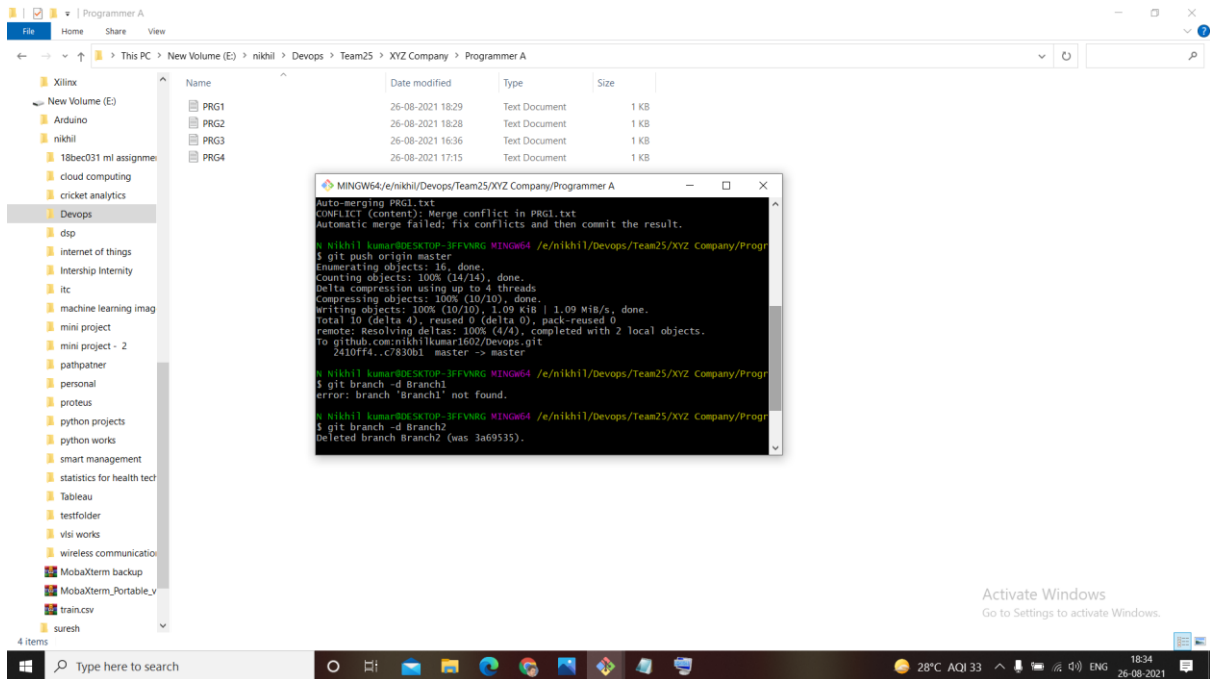
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master|MERGING)
$ git branch -d Branch1
error: branch 'Branch1' not found.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master|MERGING)
$ git branch -d Branch2
Deleted branch Branch2 (was 3a69535).

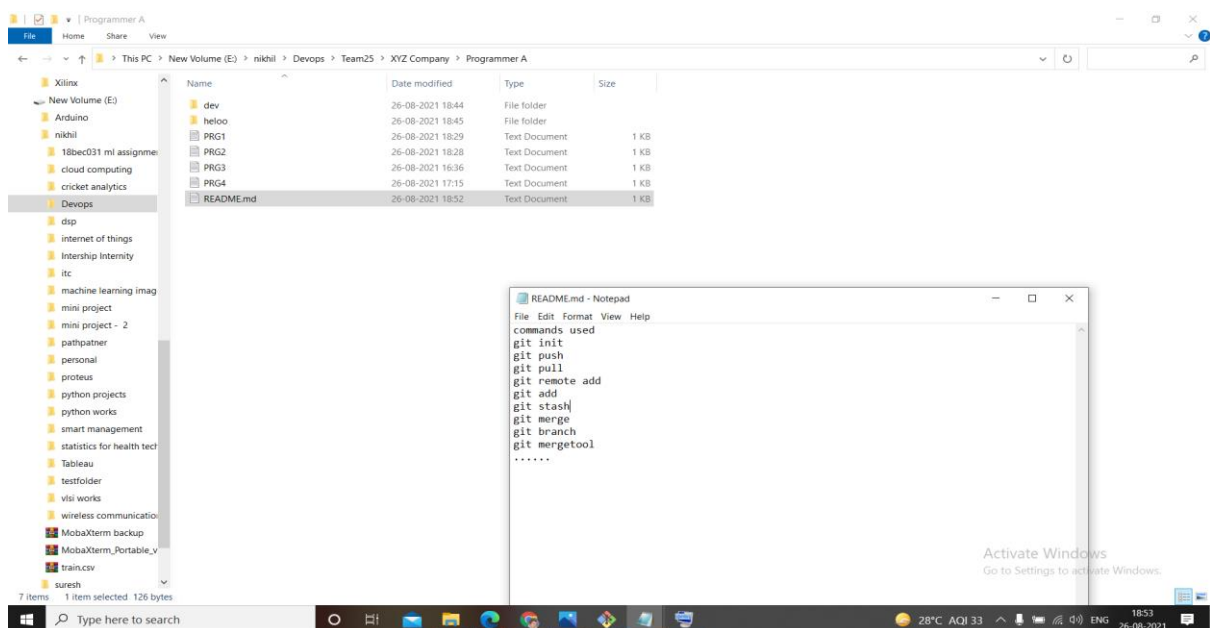
Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master|MERGING)
$ git branch -d Branch3
error: The branch 'Branch3' is not fully merged.
If you are sure you want to delete it, run 'git branch -D Branch3'.

Nikhil kumar@DESKTOP-3FFVNRG MINGW64 /e/nikhil/Devops/Team25/XYZ Company/Programmer A (master|MERGING)
$
```

Activate Windows  
Go to Settings to activate Windows.



## Instruction 8



We have also added folders namely Ins1, Ins2..... for with many more detailed screenshots.

By

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