

Pushing git branches to remote repositories

Create a new branch → "git checkout -b bugFix"

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
first issue1 commit

commit c2162246bbbf49236d17e4fb7e607f69f0022456
Author: Suraj <yadavsurajkumar665@gmail.com>
Date: Sat May 7 20:06:23 2022 +0530

    added index.html

commit a081a457e761b118176d08bfe050f15f72ba8117
Author: Suraj <yadavsurajkumar665@gmail.com>
Date: Sat May 7 20:01:34 2022 +0530

    Initial commit

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch
* master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git checkout -b bugFix
error: pathspec 'bugFix' did not match any file(s) known to git

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git checkout -b bugFix
Switched to a new branch 'bugFix'

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$
```

Make some changes and then commit the changes

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
$ git branch
* bugFix
  master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git status
On branch bugFix
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:   renamedFirst.txt

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

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git add .

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git commit -m "fixed the bug"
[bugFix 25e1b13] fixed the bug
1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git status
On branch bugFix
nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$
```

Now switch to master branch

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git status
On branch bugFix
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:   renamedFirst.txt

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

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git add .

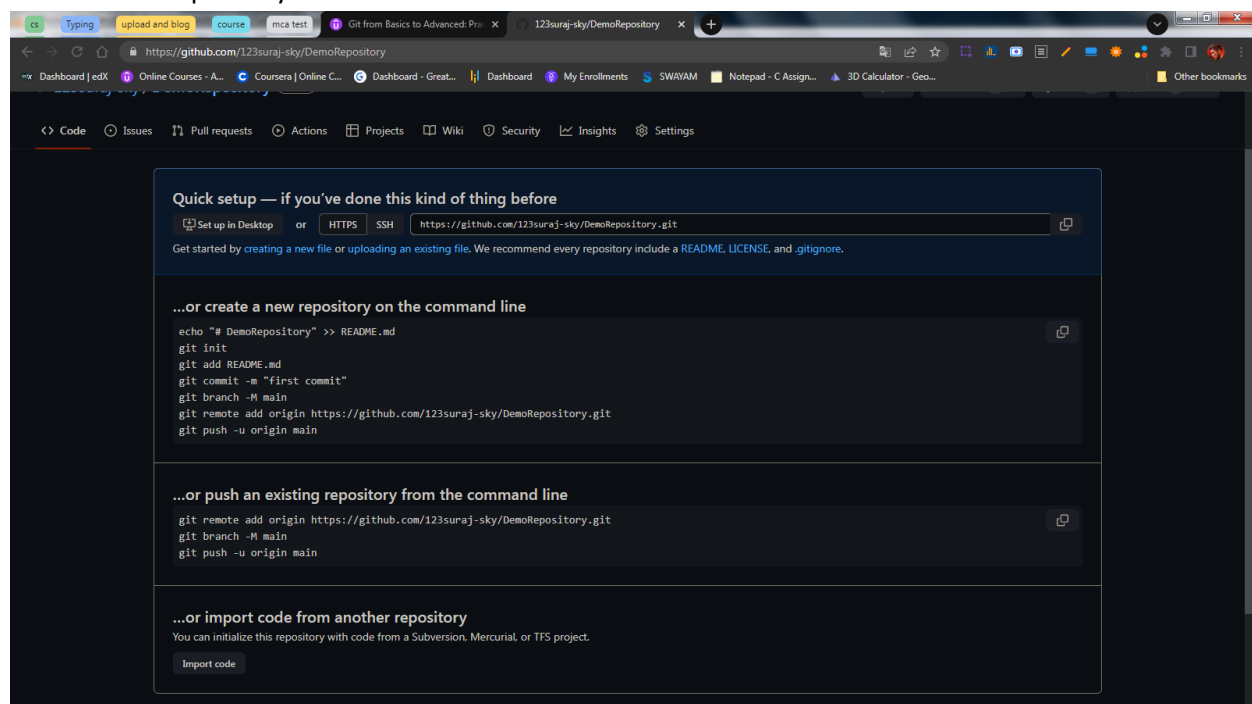
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git commit -m "fixed the bug"
[bugFix 25e1b13] fixed the bug
1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git status
On branch bugFix
nothing to commit, working tree clean

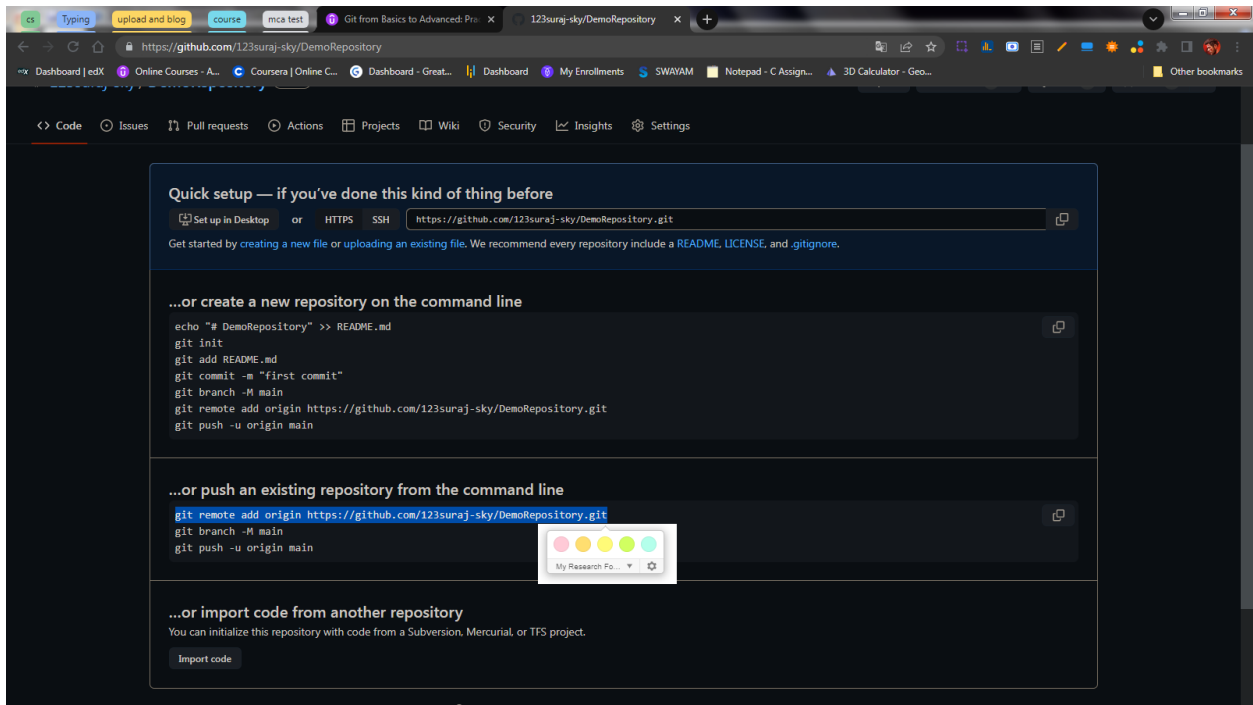
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git checkout master
Switched to branch 'master'

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$
```

Run “git remote -v”, it shows nothing as no remote relocation is created. So, for that go to github and create a new repository. Then switch to HTTPS if link is not seemed correct as shown below



and then copy the highlighted code and paste in git and press enter and write “git remote” to see it



```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git add .

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git commit -m "fixed the bug"
[bugFix 25e1b13] fixed the bug
1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git status
On branch bugFix
nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git checkout master
Switched to branch 'master'

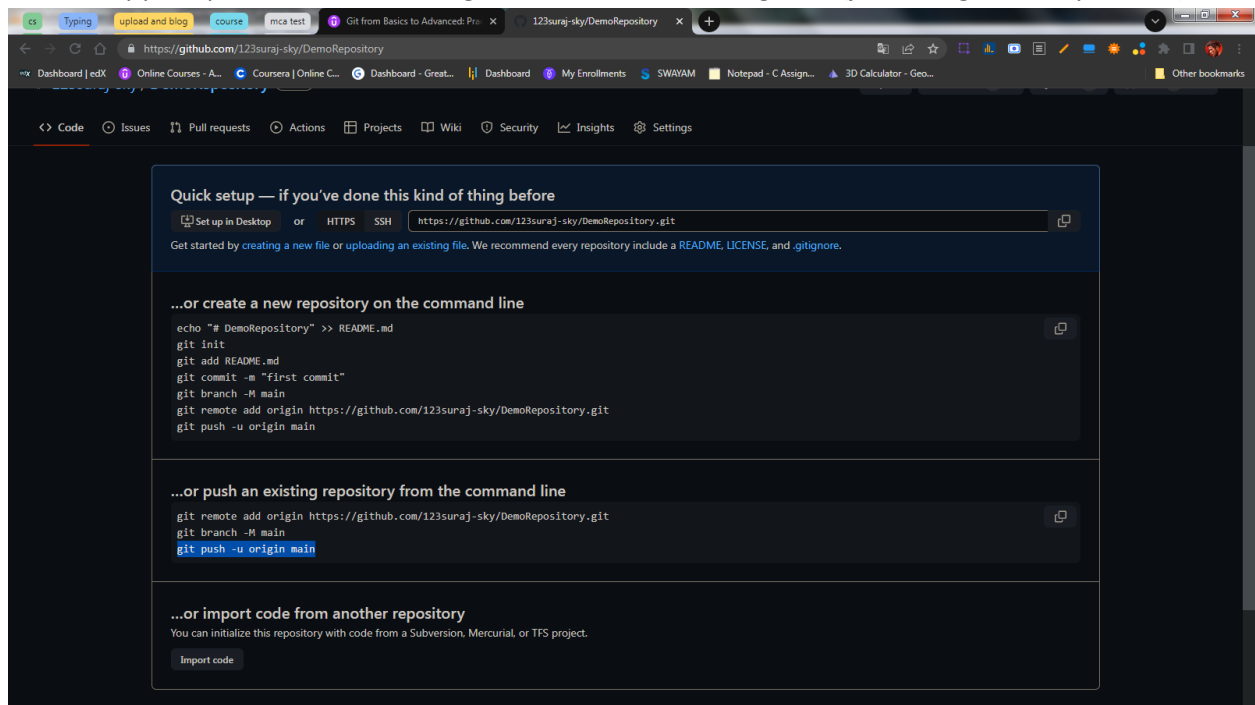
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote -v

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote add origin https://github.com/123suraj-sky/DemoRepository.git

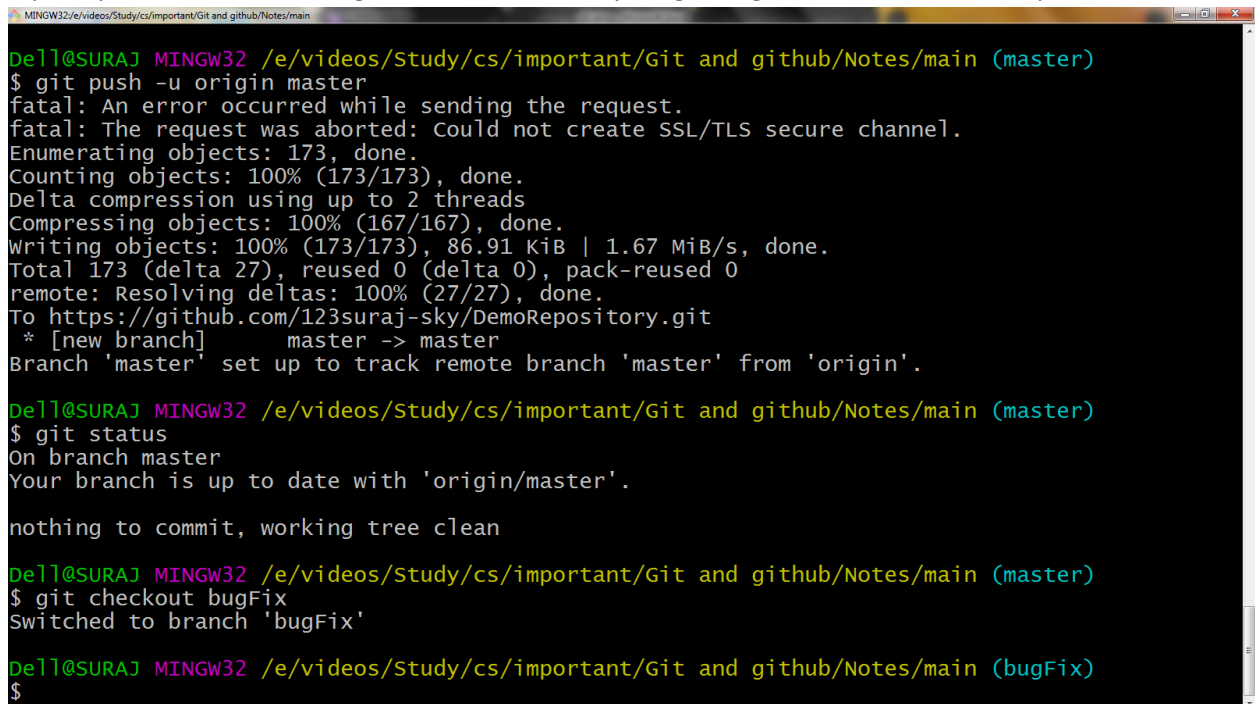
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git remote
origin

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |
```

So now copy the push command from github website from the github (just change main by master)



It will ask you to log in to your github account. In password use Personal Access Token (to create it search on google). But it will only upload master branch because it not uploaded automatically. We have to explicitly do it. Before it run “git status” to see if anything changes. Now switch to that particular branch



To upload that branch type → “git push origin branchName”

cs Typing upload and blog course mca test Login | Udem... 123suraj-sky/DemoRepository: T... Token authentication require...

https://github.com/123suraj-sky/DemoRepository

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bugFix had recent pushes less than a minute ago Compare & pull request

master 2 branches 0 tags Go to file Add file Code

Switch branches/tags

Find or create a branch...

Branches Tags

master default

bugFix View all branches

index.html second issue1 commit renamedFirst.txt

Initial commit 2 days ago Initial commit 2 days ago Initial commit 2 days ago Initial commit 2 days ago second issue1 commit 2 days ago Initial commit 2 days ago

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About

This is a demo repository from code with harry

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Languages

C 99.9% HTML 0.1%

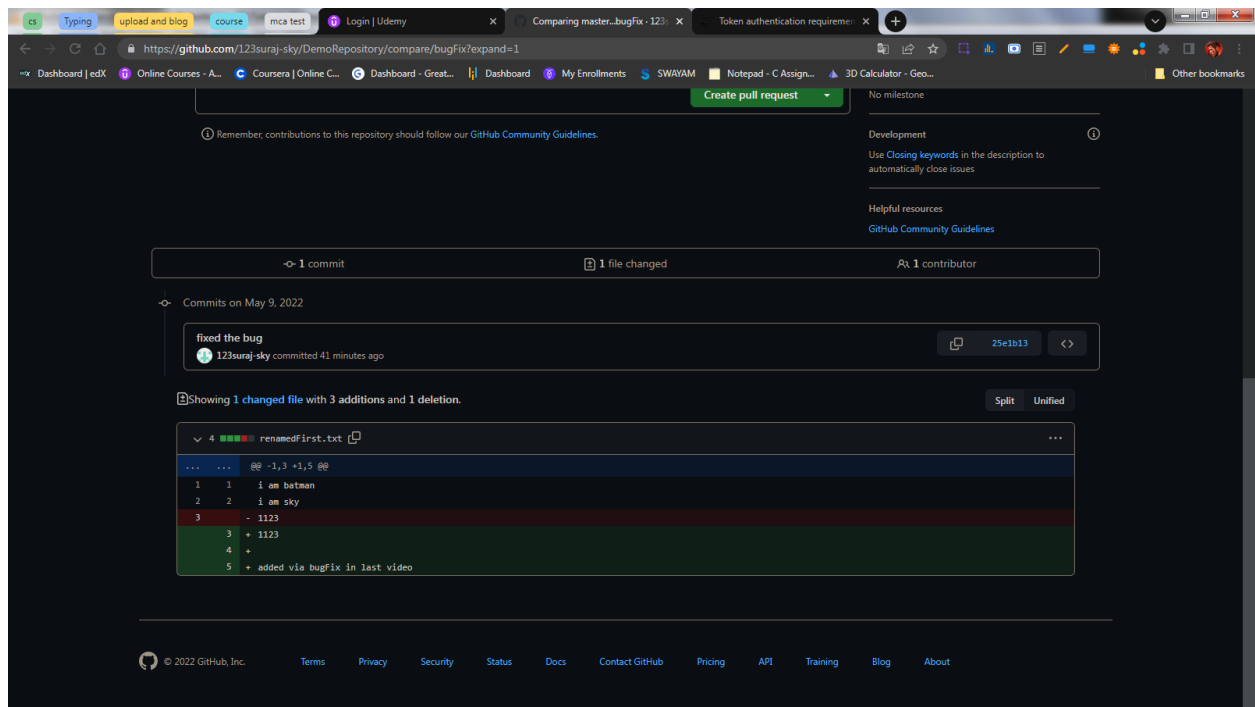
```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git checkout bugFix
Switched to branch 'bugFix'

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git push origin bugFix
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 317 bytes | 317.00 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 'bugFix' on GitHub by visiting:
remote:   https://github.com/123suraj-sky/DemoRepository/pull/new/bugFix
remote:
To https://github.com/123suraj-sky/DemoRepository.git
 * [new branch]      bugFix -> bugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ |
```



Note: Always go to that branch which you want to push

To give new name to branch in remote location different from .git folder → “git push origin branchName:newBranchName”

```

MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git push origin bugFix
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 317 bytes | 317.00 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 'bugFix' on GitHub by visiting:
remote:   https://github.com/123suraj-sky/DemoRepository/pull/new/bugFix
remote:
To https://github.com/123suraj-sky/DemoRepository.git
* [new branch]      bugFix -> bugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git push origin bugFix:NewBugFix
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'NewBugFix' on GitHub by visiting:
remote:   https://github.com/123suraj-sky/DemoRepository/pull/new/NewBugFix
remote:
To https://github.com/123suraj-sky/DemoRepository.git
* [new branch]      bugFix -> NewBugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ |

```

Now merging changes in master

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
remote:
remote: Create a pull request for 'bugFix' on GitHub by visiting:
remote:   https://github.com/123suraj-sky/DemoRepository/pull/new/bugFix
remote:
To https://github.com/123suraj-sky/DemoRepository.git
* [new branch]      bugFix -> bugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git push origin bugFix:NewBugFix
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'NewBugFix' on GitHub by visiting:
remote:   https://github.com/123suraj-sky/DemoRepository/pull/new/NewBugFix
remote:
To https://github.com/123suraj-sky/DemoRepository.git
* [new branch]      bugFix -> NewBugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch
  bugFix
* master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$
```

"git merge branchName"

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git push origin bugFix:NewBugFix
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'NewBugFix' on GitHub by visiting:
remote:   https://github.com/123suraj-sky/DemoRepository/pull/new/NewBugFix
remote:
To https://github.com/123suraj-sky/DemoRepository.git
* [new branch]      bugFix -> NewBugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (bugFix)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch
  bugFix
* master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git merge bugFix
Updating 973a1c9..25e1b13
Fast-forward
 renamedFirst.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$
```

here is no merge conflicts if it occurs it tells us

Now we can delete that branch if we don't need it → "git branch -d branchName"

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch
  bugFix
* master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git merge bugFix
Updating 973a1c9..25e1b13
Fast-forward
 renamedFirst.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch -d bugFix
Deleted branch bugFix (was 25e1b13).

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$
```

Now push the changes → "git push origin master"

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
* master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git merge bugFix
Updating 973a1c9..25e1b13
Fast-forward
 renamedFirst.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch -d bugFix
Deleted branch bugFix (was 25e1b13).

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/123suraj-sky/DemoRepository.git
 973a1c9..25e1b13 master -> master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |
```


How to delete branches in remote → “git push -d origin branchName”

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Fast-forward
renamedFirst.txt | 4 +++-
1 file changed, 3 insertions(+), 1 deletion(-)

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git branch -d bugFix
Deleted branch bugFix (was 25e1b13).

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/123suraj-sky/DemoRepository.git
  973a1c9..25e1b13  master -> master

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git push -d origin bugFix
To https://github.com/123suraj-sky/DemoRepository.git
- [deleted]          bugFix

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ |
```