



A branch can also have a brach.

To create a new branch → "git checkout -b branchName"

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
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 (master)
$ git restore this.txt
error: pathspec 'this.txt' did not match any file(s) known to git

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git restore renamedFirst.txt

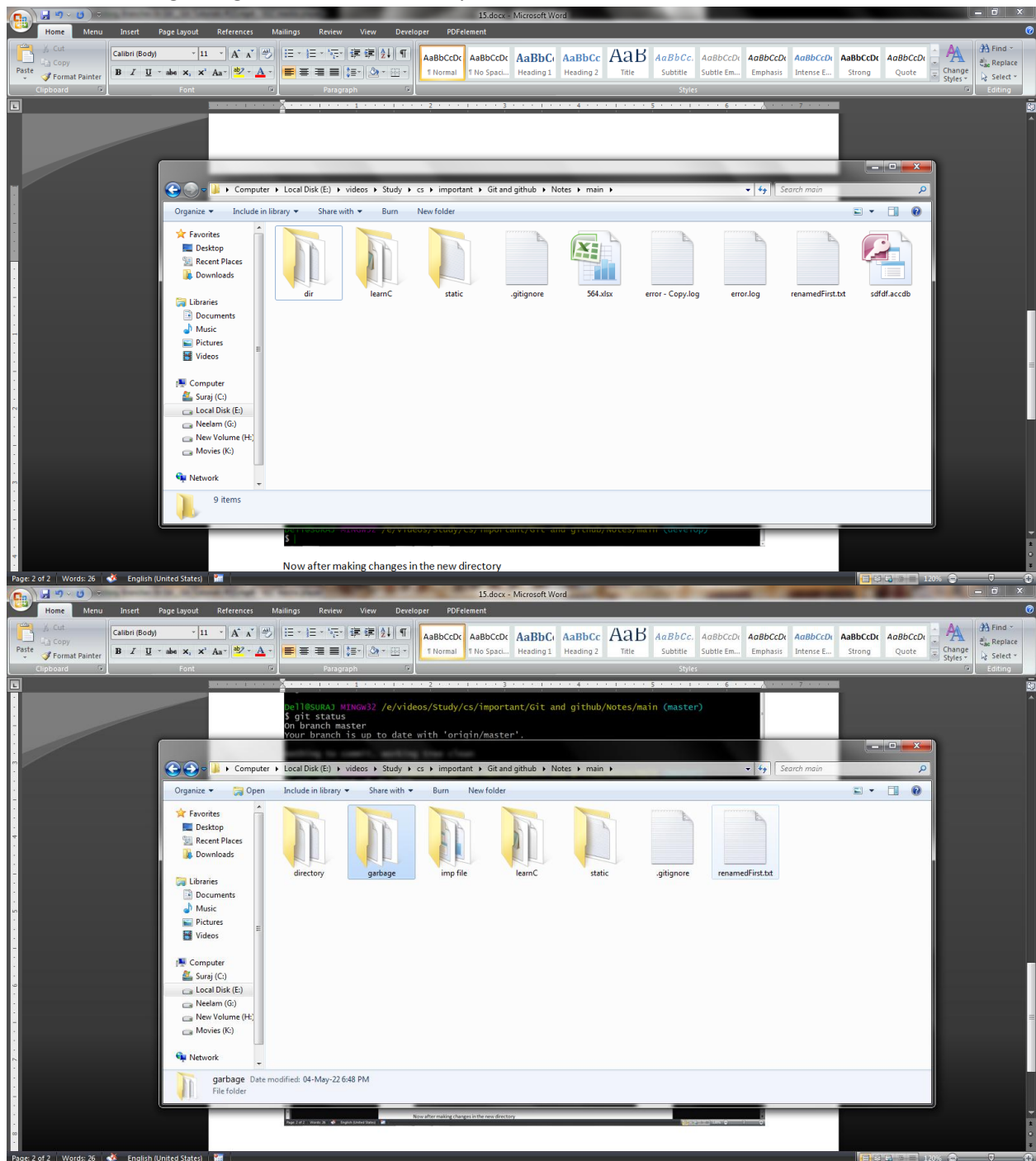
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

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

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

Now after making changes in the new directory



Then staged those changes

```
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 -b develop
Switched to a new branch 'develop'

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (develop)
$ git status
On branch develop
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    564.xlsx

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        imp file/

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 (develop)
$ |

MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (develop)
$ git status
On branch develop
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        deleted:    564.xlsx

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        imp file/

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 (develop)
$ git add .

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (develop)
$ git status
On branch develop
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        renamed:    564.xlsx -> imp file/564.xlsx

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

and then commit changes "git commit -m "message""

```
MINGW32/e/videos/Study/cs/important/Git and github/Notes/main
(use "git restore <file>..." to discard changes in working directory)
deleted:    564.xlsx

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  imp file/

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

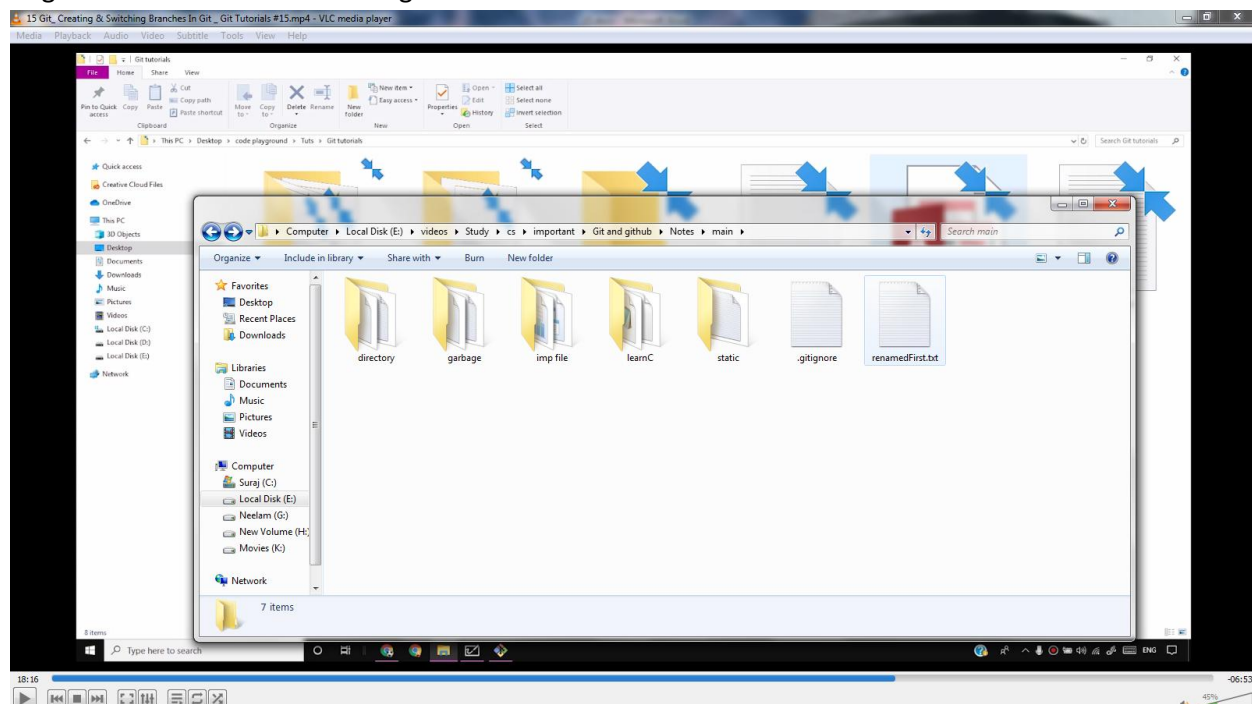
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (develop)
$ git add .

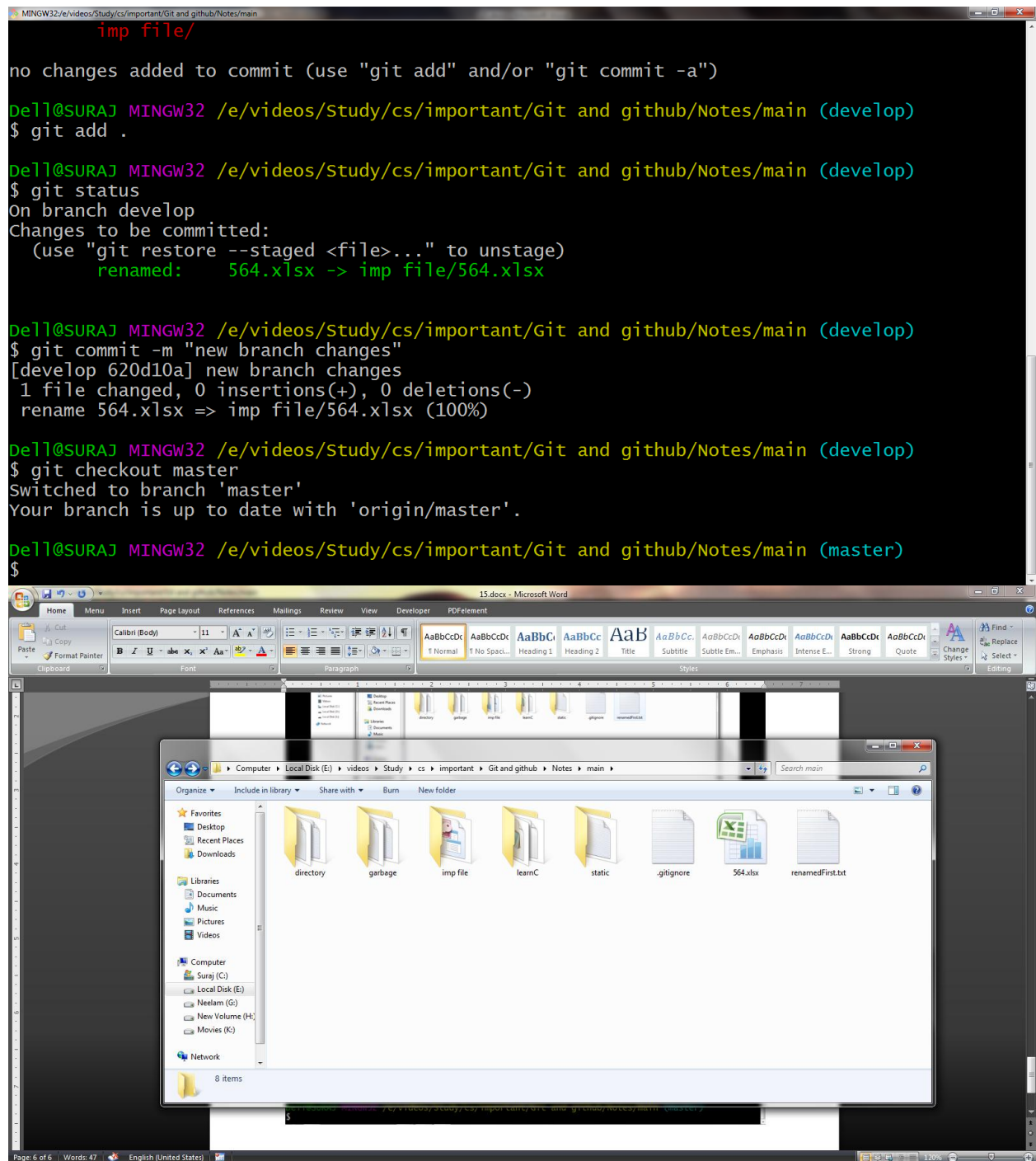
Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (develop)
$ git status
On branch develop
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    renamed:    564.xlsx -> imp file/564.xlsx

Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (develop)
$ git commit -m "new branch changes"
[develop 620d10a] new branch changes
1 file changed, 0 insertions(+), 0 deletions(-)
rename 564.xlsx => imp file/564.xlsx (100%)

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

To go back to master branch → "git checkout master"

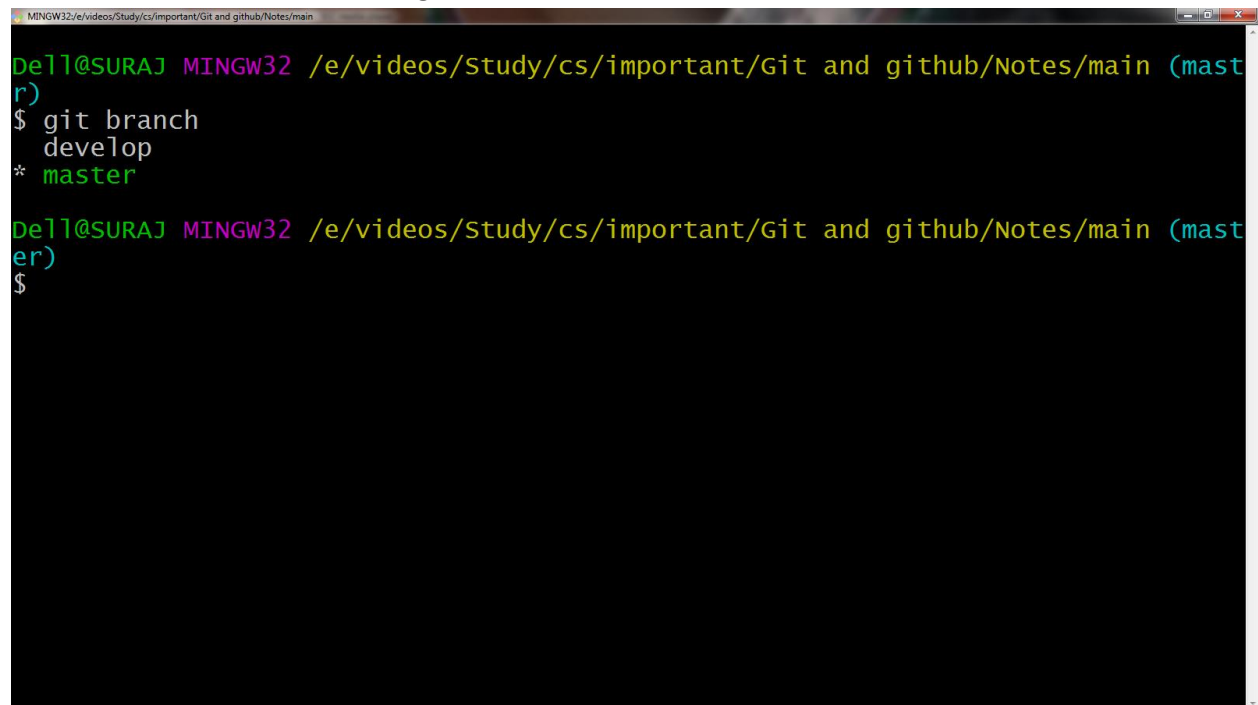




some files will not be changed as they are put in .gitignore

After creating a branch to shift to that branch → “git checkout branchName”

To show all created branches → "git branch"

A screenshot of a Windows terminal window with a black background and green text. The window title bar shows the path 'MINGW32/e/videos/Study/cs/important/Git and github/Notes/main'. The prompt is 'Dell@SURAJ MINGW32 /e/videos/Study/cs/important/Git and github/Notes/main (master)'. The command '\$ git branch' has been entered, and the output shows 'develop' and '* master', with the asterisk indicating the current branch.

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

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