

45-short-lnk video

Pushing and Pulling from Github

- lets now create a new repository in github.com, should be on the top right side of the website with + sign
- give it a name
- you can choose to do public or private, private is not free, and you will need it once you get into development with others
- go ahead and hit create repository
- now lets copy the line that SSH, it should look like this

```
git@github.com:mendozarriff/short-lnk.git
```

- then we are going to run the git remote command with our address above in the terminal

```
joses-MacBook-Pro:short-lnk mendoza$ git remote add origin git@github.com:mendozarriff/short-lnk.git
```

- **by** default this will not PUSH the code this just sets up a new remote
- a lot of times you want to see the url of the remote so you just type

```
joses-MacBook-Pro:short-lnk mendoza$ git remote -v  
origin  git@github.com:mendozarriff/short-lnk.git (fetch)  
origin  git@github.com:mendozarriff/short-lnk.git (push)
```

- now we push our code
- and you should be able to see the following

```
joses-MacBook-Pro:short-lnk mendoza$ git push -u origin master  
Enter passphrase for key '/Users/mendoza/.ssh/id_rsa':  
Counting objects: 106, done.  
Delta compression using up to 4 threads.  
Compressing objects: 100% (98/98), done.  
Writing objects: 100% (106/106), 3.77 MiB | 668.00 KiB/s, done.  
Total 106 (delta 7), reused 0 (delta 0)  
remote: Resolving deltas: 100% (7/7), done.  
To github.com:mendozarriff/short-lnk.git  
* [new branch]      master -> master
```

Branch master `set` up to track remote branch master from origin.

```
joses-MacBook-Pro:short-lnk mendoza$
```

- lets now go back to our browser and refresh the github page and we should see the repository show up
- lets make change to our code and push it up to github
- so I just added these # to the readme.md

```
# Short Lnk
```

```
This is Meteor React app, lets you save and delete links.
```

```
## Author
```

```
Jose Mendoza
```

- lets go back to the terminal
- run git status

```
joses-MacBook-Pro:short-lnk mendoza$ git status
```

```
On branch master
```

```
Your branch is up-to-date with 'origin/master'.
```

```
Changes not staged for commit:
```

```
(use "git add <file>..." to update what will be committed)
```

```
(use "git checkout -- <file>..." to discard changes in working directory)
```

```
    modified:   readme.md
```

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

- now lets add them and commit them

```
joses-MacBook-Pro:short-lnk mendoza$ git add .
```

```
joses-MacBook-Pro:short-lnk mendoza$ git commit -m "Update readme formatting"
```

```
[master aed3b31] Update readme formatting
```

```
3 files changed, 7 insertions(+), 3 deletions(-)
```

```
create mode 100644 notes/43-short-lnk video.pdf
```

```
create mode 100644 notes/44-short-lnk video.pdf
```

- once we have our commit in place we are now ready to push it to github
- all we have to do is git push because we already specify -u before and you only have to do it once

```
joses-MacBook-Pro:short-lnk mendoza$ git push

Enter passphrase for key '/Users/mendoza/.ssh/id_rsa':

Counting objects: 6, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (6/6), done.

Writing objects: 100% (6/6), 50.89 KiB | 16.96 MiB/s, done.

Total 6 (delta 2), reused 0 (delta 0)

remote: Resolving deltas: 100% (2/2), completed with 2 local objects.

To github.com:mendozarriff/short-lnk.git

    8641e88..aed3b31  master -> master
```

- now if you go to your github and do a refresh you should be able to see all of the changes
- now we are going to pull from github, and this feature is when your are collaborating and someone makes a change, well we want to get those new changes to we have an update it version remotely
- for this we will make a small change on the readme.md file on github, we then hit commit on the bottom
- go to you terminal and pull

```
joses-MacBook-Pro:short-lnk mendoza$ git pull

Enter passphrase for key '/Users/mendoza/.ssh/id_rsa':

remote: Counting objects: 3, done.

remote: Compressing objects: 100% (3/3), done.

remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0

Unpacking objects: 100% (3/3), done.

From github.com:mendozarriff/short-lnk

    aed3b31..28e4381  master      -> origin/master

Updating aed3b31..28e4381

Fast-forward

 readme.md | 4 ++--

1 file changed, 2 insertions(+), 2 deletions(-)
```

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