

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ echo "# lab-1-djnucci" >> README.md
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git init
Reinitialized existing Git repository in /home/danny/Documents/gitRoot/lab-1-djnucci/.git/
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add README.md
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "first commit"
[master be4c5a6] first commit
1 file changed, 1 insertion(+)
create mode 100644 README.md
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git remote add origin https://github.com/SPM-OT/lab-1-djnucci.git
fatal: remote origin already exists.
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/SPM-OT/lab-1-djnucci/'
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$

```

Had to disable 2FA to log in on commandline. Commit init to master

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 6, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 495 bytes | 495.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0)
To https://github.com/SPM-OT/lab-1-djnucci
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

```

Push to master

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ more IgnoreExample.txt
this is example text

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git statud
git: 'statud' is not a git command. See 'git --help'.

The most similar command is
  status
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   IgnoreExample.txt

```

Add Ignore example to master

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "added screenshot file and ignore file to repo"
[master 19c28ea] added screenshot file and ignore file to repo
1 file changed, 2 insertions(+)
create mode 100644 IgnoreExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 355 bytes | 355.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/SPM-OT/lab-1-djnucci
be4c5a6..19c28ea master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$

```

Commit example.txt to master

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ cat > .gitignore
IgnoreExample.txt
^C
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ more .gitignore
IgnoreExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "Added to .gitignore for the file to ignore"
[master ac7aa9d] Added to .gitignore for the file to ignore
1 file changed, 1 insertion(+)
create mode 100644 .gitignore
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 305 bytes | 305.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/SPM-OT/lab-1-djnucci
51e446b..ac7aa9d master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$

```

Made a .gitignore

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "saved screenshot file for commit"
[master a8e8041] saved screenshot file for commit
2 files changed, 1 insertion(+), 1 deletion(-)
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 4, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 154.67 KiB | 9.67 MiB/s, done.
Total 4 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/SPM-OT/lab-1-djnucci
ac7aa9d..a8e8041 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$

```

Commit screenshot file

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git branch testBranch
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git checkout testBranch
M       .~lock.Screenshots.odt#
M       Screenshots.odt
Switched to branch 'testBranch'
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ cat > BranchExample.txt
This is also an example.
^C
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "Branch example commit"
[testBranch 735d57e] Branch example commit
 3 files changed, 2 insertions(+), 1 deletion(-)
   create mode 100644 BranchExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin BranchExample
error: src refspec BranchExample does not match any.
error: failed to push some refs to 'https://github.com/SPM-OT/lab-1-djnucci'
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin testBranch
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 94.14 KiB | 7.24 MiB/s, done.
Total 5 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
remote:
remote: Create a pull request for 'testBranch' on GitHub by visiting:
remote:   https://github.com/SPM-OT/lab-1-djnucci/pull/new/testBranch
remote:
To https://github.com/SPM-OT/lab-1-djnucci
 * [new branch]      testBranch -> testBranch
Branch 'testBranch' set up to track remote branch 'testBranch' from 'origin'.

```



```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ cat > RemoveExample.txt
asdf
^C
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ ls
BranchExample.txt IgnoreExample.txt README.md RemoveExample.txt Screenshots.odt Student
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "Added RemoveExample.txt to be removed later"
[master 403d365] Added RemoveExample.txt to be removed later
 3 files changed, 2 insertions(+), 1 deletion(-)
 create mode 100644 RemoveExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/SPM-OT/lab-1-djnucci/'
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/SPM-OT/lab-1-djnucci/'
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 438.15 KiB | 13.28 MiB/s, done.
Total 5 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/SPM-OT/lab-1-djnucci
 899e0b7..403d365 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$

```

RemoveExample.txt added and then removed

```

danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ cat > BranchExample.txt
This is a different example.
^C
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "After switching back to master, I added an additional file"
[master 899e0b7] After switching back to master, I added an additional file
 1 file changed, 1 insertion(+)
 create mode 100644 BranchExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git push -u origin master
Username for 'https://github.com': djnucci
Password for 'https://djnucci@github.com':
Counting objects: 3, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 332 bytes | 332.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/SPM-OT/lab-1-djnucci
 a8e8041..899e0b7 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

```

Switch back to master and make a branch example

```
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ rm RemoveExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git add .
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git commit -m "Removed file"
[master 1c154c0] Removed file
 1 file changed, 1 deletion(-)
  delete mode 100644 RemoveExample.txt
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ 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
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$
```

remove RemoveExample.txt

clean out the remove example

```
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git clean
fatal: clean.requireForce defaults to true and neither -i, -n, nor -f given; refusing to clean
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ git clean -f
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$ 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
danny@danny-laptop:~/Documents/gitRoot/lab-1-djnucci$
```