尽量不要使用163的邮箱。

cd ..：表示返回上一级目录。

rm -rf 文件夹名字：删除一个文件夹。

1，创建本地库并创建对应的文件

```
$ cd ..

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn
$ mkdir githubs

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn
$ cd githubs

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs
$ git init
Initialized empty Git repository in C:/Users/Anly/Desktop/git_learn/githubs/
/

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ vim hus.txt

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ cat hus.txt
华山剑法，天下第一！

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git add hus.txt
warning: LF will be replaced by CRLF in hus.txt.
The file will have its original line endings in your working directory

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git commit hus.txt
warning: LF will be replaced by CRLF in hus.txt.
The file will have its original line endings in your working directory

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: empty ident name (for <anqili2_global@163.com>) not allowed

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git config --global user.name "anqili"

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git congif --global user.email "aqllmjjob@aliyun.com"
git: 'congif' is not a git command. See 'git --help'.

The most similar command is
        config

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git config --global user.email "aqllmjjob@aliyun.com"

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git commit hus.txt
warning: LF will be replaced by CRLF in hus.txt.
The file will have its original line endings in your working directory
[master (root-commit) 6cd6a73] "first commit"
 1 file changed, 1 insertion(+)
 create mode 100644 hus.txt
```

2，创建远程库（最好和本地库使用同一个文件名）

远程库的地址：

r HTTPS SSH   https://github.com/aqllmjjob/githubs.git

补充命令操作：

①git remote -v：查看本地库中的别名；

②git remote add origin https://github.com/aqllmjjob/githubs.git：表自己的项目的

远程库命名为origin；

```
$ git remote -v

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git remote add origin https://github.com/aqllmjjob/githubs.git

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git remote -v
origin  https://github.com/aqllmjjob/githubs.git (fetch)
origin  https://github.com/aqllmjjob/githubs.git (push)
```

3，推送操作：

```
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 246 bytes | 246.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/aqllmjjob/githubs.git
 * [new branch]      master -> master
```

其中origin表示远程库指定的别名，master表示需要推送的分支名。

GitHub Login

GitHub

Login

Username or email

Password

✓ Login   ✕ Cancel

Don't have an account? Sign up
Forgot your password?

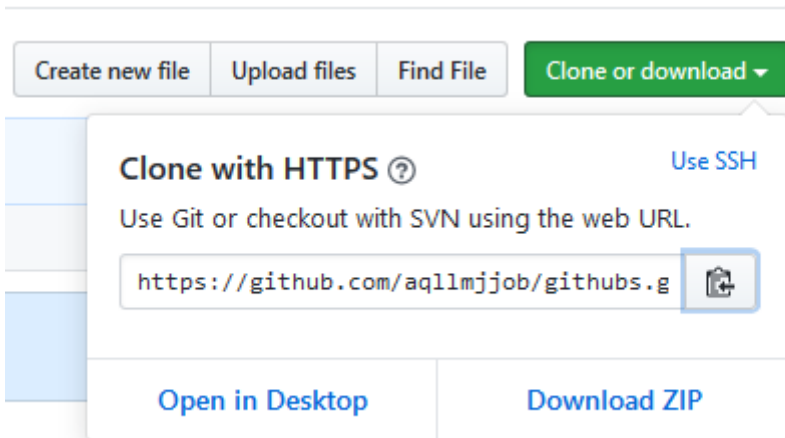回车后需要输入GitHub的用户名和密码然后login，之后稍等片刻就可以将本地库中的内容

推动到远程库中。

4，克隆操作（命令：git origin 远程地址）

（1）创建文件夹并进入该文件夹内部：

```
$ cd ..

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn
$ mkdir huashan_1

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn
$ cd huashan_1
```
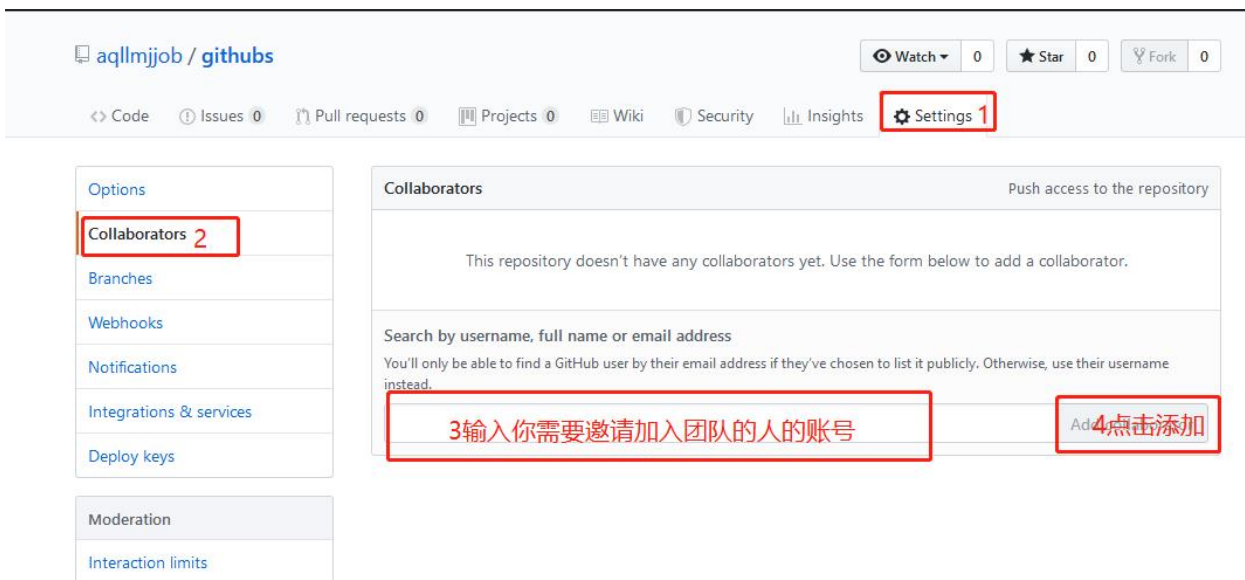
（2）执行克隆的操作（https://....中的内容表示被克隆的远程库的地址）

```
$ git clone https://github.com/aqllmjjob/githubs.git
Cloning into 'githubs'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
```


（3）克隆的效果

①完整的把远程库下载到本地；

②创建origin远程地址别名；

③初始化本地库。

5，邀请另一个人加入团队

被邀请的人会收到一个邮件，他只要登录账号，然后就同意邀请，即可成为其中的成员。

6，远程库修改的拉取

pull=fetch+merge

（1）"git fetch 远程库的别名origin/远程分支名"操作只是将远程库中的文件下载下来，但是不能修改工作区中的文件。

```
$ git fetch origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
From https://github.com/aqllmjjob/githubs
 * branch          master      -> FETCH_HEAD
   6cd6a73..b5007d1  master     -> origin/master

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ cat hus.txt
华山剑法，天下第一！

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ git checkout origin/master
Note: checking out 'origin/master'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by performing another checkout.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -b with the checkout command again. Example:

  git checkout -b <new-branch-name>

HEAD is now at b5007d1 second commit

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs ((b5007d1...))
$ cat hus.txt
华山剑法，天下第一！ yi ge you xiu de ren he ling yi ge you xiu de ren yi qi zou
,na me you ke neng ling wai yi ge ren bi zhe ge ren hai you xiu!
```

（2）"git merge 远程库地址别名/远程分支名"在实行merge操作，进行合并

```
$ git merge origin/master
Updating 6cd6a73..b5007d1
Fast-forward
 hus.txt | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/githubs (master)
$ cat hus.txt
华山剑法，天下第一！ yi ge you xiu de ren he ling yi ge you xiu de ren yi qi zou
,na me you ke neng ling wai yi ge ren bi zhe ge ren hai you xiu!
```

（3）直接执行git pull

（4）如果想要避免冲突，就需要使用fetch和merge分开操作。

7，协同开发时冲突的解决

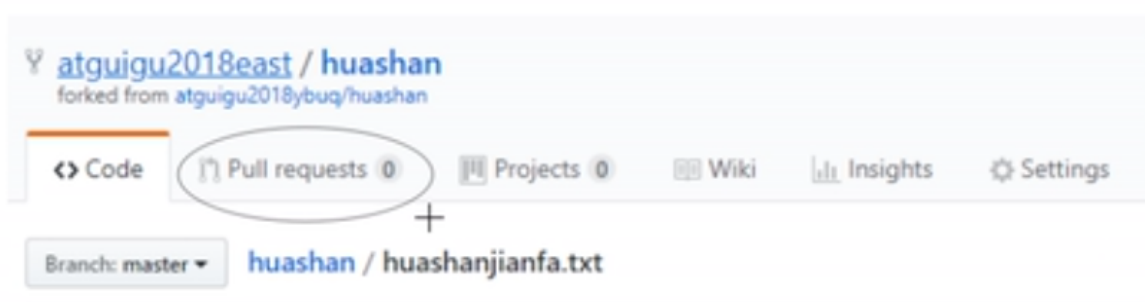（1）要点：如果不是基于GitHub远程库的最新版所做的修改，不能推送，必须先拉取。拉取下来之后如果进入冲突，则按照"分支冲突的解决方式"去解决冲突问题即可。
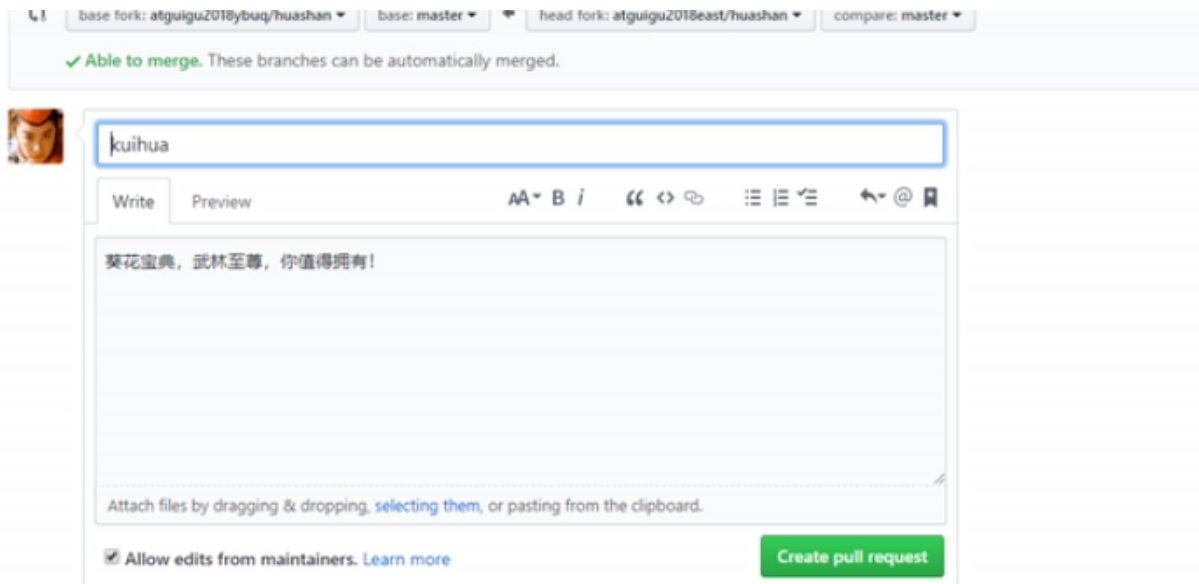
8，跨团队协作

（1）fork：以另一个团队的身份登录然后进行点击右上角的fork。

（2）本地修改，然后推送到远程。

（3）pull request操作

（4）点击new pull request。

（5）编辑如下图的文件，然后点击create pull request：发送

（6）俩个团队之间可以进行交流，修改代码，最终确定可以之后，合并代码。

（7）从远程库中拉取文件到本地库中。git pull origin master。

9，SSH登录（只能为每一个账户设置）

（1）进入当前用户的家目录：$ cd ~

（2）删除.ssh目录：$ rm -r .ssh/

（3）运行命令生成.ssh密钥目录：

（4）进入.ssh目录查看文件列表：$ cd .ssh　　$ ls -lF

（5）查看id_rsa.pub文件的内容：$ cat id_rsa.pub

（6）复制id_rsa.pub文件内容，登录GitHub，点击用户头像->settings->SSH and GPG keys

（7）new SSH Key

（8）输入复制的密钥信息

（9）回到GitHub创建远程地址别名

```
Anly@DESKTOP-2API2N9 MINGW64 ~/Desktop/git_learn/github5 (master)
$ cd ~

Anly@DESKTOP-2API2N9 MINGW64 ~
$ rm -rvf.ssh
rm: unknown option -- .
Try 'rm --help' for more information.

Anly@DESKTOP-2API2N9 MINGW64 ~
$ rm -rvf.ssh/
rm: unknown option -- .
Try 'rm --help' for more information.

Anly@DESKTOP-2API2N9 MINGW64 ~
$ rm -r  .ssh/
rm: cannot remove '.ssh/': No such file or directory

Anly@DESKTOP-2API2N9 MINGW64 ~
$ ^C

Anly@DESKTOP-2API2N9 MINGW64 ~
$ ssh-keygen -t rsa -C qllmjjob@aliyun.com
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Anly/.ssh/id_rsa):
Created directory '/c/Users/Anly/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Anly/.ssh/id_rsa.
Your public key has been saved in /c/Users/Anly/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:O1onnu8k2lLI2GXMxbHhhww2chDbnU7gTNG0flnSbmM qllmjjob@aliyun.com
The key's randomart image is:
+---[RSA 2048]----+
|      +oO=+.     |
|       X B+* .   |
|      .o+.X o o  |
|        =+ . =   |
|      + +S o o E |
|     . + .. . o .|
|        .* o     |
|        .* B     |
|       o.+oo     |
+----[SHA256]-----+

Anly@DESKTOP-2API2N9 MINGW64 ~
$ cd .ssh/

Anly@DESKTOP-2API2N9 MINGW64 ~/.ssh
$ ll
total 5
-rw-r--r-- 1 Anly 197121 1831 5月  25 15:15 id_rsa
-rw-r--r-- 1 Anly 197121  401 5月  25 15:15 id_rsa.pub
```

```
Anly@DESKTOP-2API2N9 MINGW64 ~/.ssh
$ cat id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDn7HMNY52z9Tio3mIfLuqLVUDCNAwc4x+gfD8i+NYY
P2h+XeeZuett4KTDl5LdIOLXTn8ZPRgqFJEQXSAaPivMvn68ieyPhSLhijKKfRyZ7SJPhUdNOzKRbFwi
clvQffNMWtv2kk+WLdurUsQoRspDG8pH4j05gsex57c7vMypgWH8Pi3avqDVFZAaWcCpRNa5douTOVOm
YuS45KXuj8VT6SReD88gV7I4v7ITseJX4UXOsnNJcpE443tql+Ox+EOmda87xzLGTf8xDTDvFXRmH74f
2GqWG9x8FRFXlZn1IsGOrtd9lfuaSkTRNCDswquJMyah4GaAp+KImabPPRcP qllmjjob@aliyun.com

Anly@DESKTOP-2API2N9 MINGW64 ~/.ssh
$ cd /C/Users/Anly/Desktop/git_learn

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn
$ cd githubs

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ vim hus.txt

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ git add hus.txt

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ git commit hus.txt
[master 799ed2c] "thirds commit"
 1 file changed, 2 insertions(+)

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ gii remote -v
bash: gii: command not found

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ git remote -v
origin  https://github.com/aqllmjjob/githubs.git (fetch)
origin  https://github.com/aqllmjjob/githubs.git (push)

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ git remote add origin_ssh git@github.com:aqllmjjob/githubs.git

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ git remote -v
origin  https://github.com/aqllmjjob/githubs.git (fetch)
origin  https://github.com/aqllmjjob/githubs.git (push)
origin_ssh      git@github.com:aqllmjjob/githubs.git (fetch)
origin_ssh      git@github.com:aqllmjjob/githubs.git (push)

Anly@DESKTOP-2API2N9 MINGW64 /C/Users/Anly/Desktop/git_learn/githubs (master)
$ git push origin_ssh master
The authenticity of host 'github.com (13.250.177.223)' can't be established.
RSA key fingerprint is SHA256:nThbg6kXUpJWGl7E1IGOCspRomTxdCARLviKw6E5SY8.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'github.com,13.250.177.223' (RSA) to the list of know
n hosts.
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 279 bytes | 279.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:aqllmjjob/githubs.git
   b5007d1..799ed2c  master -> master
```