

Git\_GitHub

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## Git

## GitHub

### push 操作(邀请加入团队)

#### 【1】更新本地库信息

```
MINGW64:/e/Git_House
10501@littlesix MINGW64 /e/Git_House (master)
$ git add Demo2.txt

10501@littlesix MINGW64 /e/Git_House (master)
$ git commit -m "创建了Demo2.txt" Demo2.txt
[master 6481f81] 创建了Demo2.txt
1 file changed, 1 insertion(+)
create mode 100644 Demo2.txt
```

#### 【2】push 内容到远程库中去

可以直接 push 进去，并没有要求录入账号密码

原因：git 使用的时候在本地有缓存

解决：将缓存删除，搜索管理凭据

```
10501@littlesix MINGW64 /e/Git_House (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 332 bytes | 332.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/SunnyProdefi/Git_House.git
0a6626f..6481f81 master -> master
```

#### 【3】邀请加入团队即可 push

### 远程库修改的拉取操作

#### 【1】拉去操作 pull 操作，相当于 fetch+merge

#### 【2】项目经理先确认远程库内容是否更新了

SunProdefi 创建了Demo3.txt			af3aa95 21 minutes ago	🕒 3 commits
📄 Demo.txt	增加了Demo.txt文件			yesterday
📄 Demo2.txt	创建了Demo2.txt			50 minutes ago
📄 Demo3.txt	创建了Demo3.txt			21 minutes ago

### 【3】项目经理进行拉取

(1) 先是抓取操作: fetch

```
10501@littlesix MINGW64 /d/Git_House (master)
$ git fetch origin master
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 1), reused 5 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 532 bytes | 44.00 KiB/s, done.
From https://github.com/SunnyProdefi/Git_House
* branch          master      -> FETCH_HEAD
   0a6626f..af3aa95 master      -> origin/master
```

在抓取操作执行后, 只是将远程库的内容下载到本地, 但是工作区并没有更新

📁 .git	2023/1/1 10:25	文件夹	
📄 Demo.txt	2022/12/31 10:11	文本文档	1 KB

抓取后可以去远程库看看内容是否正确

```
10501@littlesix MINGW64 /d/Git_House (master)
$ git checkout origin/master
Note: switching to 'origin/master'.

10501@littlesix MINGW64 /d/Git_House ((af3aa95...))
$ ll
total 3
-rw-r--r-- 1 10501 197609 3 Dec 31 10:11 Demo.txt
-rw-r--r-- 1 10501 197609 50 Jan 1 10:30 Demo2.txt
-rw-r--r-- 1 10501 197609 3 Jan 1 10:30 Demo3.txt

10501@littlesix MINGW64 /d/Git_House ((af3aa95...))
$ cat Demo3.txt
bbb
```

发现内容都正确就可以进行合并操作

合并之前将分支切换回来

```
10501@littlesix MINGW64 /d/Git_House ((af3aa95...))
$ git checkout master
Previous HEAD position was af3aa95 创建了Demo3.txt
Switched to branch 'master'
```

(2) 进行合并: merge

```
10501@littlesix MINGW64 /d/Git_House (master)
$ git merge origin/master
Updating 0a6626f..af3aa95
Fast-forward
 Demo2.txt | 1 +
 Demo3.txt | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 Demo2.txt
 create mode 100644 Demo3.txt
```

远程库的拉去可以直接利用 pull 命令来完成

```
10501@littlesix MINGW64 /d/Git_House (master)
$ git pull origin master
From https://github.com/SunnyProdefi/Git_House
 * branch          master      -> FETCH_HEAD
Already up to date.
```

fetch+merge 操作——为了保险、慎重

pull——代码简单、省事

## 协同开发合作时冲突的解决办法

### 【1】经理

向远程库推送数据

```
10501@littlesix MINGW64 /d/Git_House (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 282 bytes | 282.00 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.
To https://github.com/SunnyProdefi/Git_House.git
   af3aa95..df09e65  master -> master
```

### 【2】小兵

做了一个拉取操作

```

10501@littlesix MINGW64 /e/Git_House (master)
$ git pull origin master
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0
Unpacking objects: 100% (3/3), 262 bytes | 37.00 KiB/s, done.
From https://github.com/SunnyProdefi/Git_House
* branch                master      -> FETCH_HEAD
  af3aa95..df09e65  master      -> origin/master
Updating af3aa95..df09e65
Fast-forward
 Test.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 Test.txt

```

到这里为止，现在远程合作没有任何问题

现在操作同一个文件的同一个位置的时候，就会引起冲突

### 【3】小兵

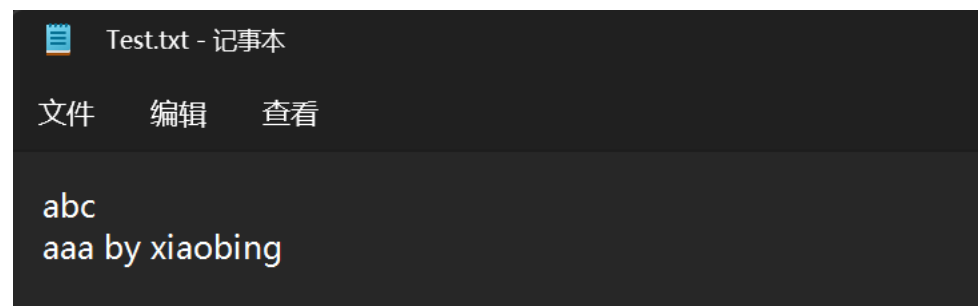
再次做了推送操作

```

10501@littlesix MINGW64 /e/Git_House (master)
$ git push origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 291 bytes | 291.00 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.
To https://github.com/SunnyProdefi/Git_House.git
 df09e65..0a26b81  master -> master

```

改动位置



```

Test.txt - 记事本

文件  编辑  查看

abc
aaa by xiaobing

```

### 【4】经理

改动 Test.txt 中内容，然后进行推送

```

10501@littlesix MINGW64 /d/Git_House (master)
$ git push origin master
To https://github.com/SunnyProdefi/Git_House.git
 ! [rejected]        master -> master (fetch first)
error: failed to push some refs to 'https://github.com/SunnyProdefi/Git_House.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushi
hint: ng
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

```

发现推送失败！

在冲突的情况下，先应该拉取下来，然后修改冲突，然后再推送到远程库

```

10501@littlesix MINGW64 /d/Git_House (master)
$ git pull origin master
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0
Unpacking objects: 100% (3/3), 271 bytes | 45.00 KiB/s, done.
From https://github.com/SunnyProdefi/Git_House
 * branch                master      -> FETCH_HEAD
   df09e65..0a26b81      master      -> origin/master
Auto-merging Test.txt
CONFLICT (content): Merge conflict in Test.txt
Automatic merge failed; fix conflicts and then commit the result.

```

查看冲突：

```

*Test.txt - 记事本
文件  编辑  查看

|abc
<<<<<< HEAD
ooo by jingli
=====
aaa by xiaobing
>>>>>> 0a26b81e109c705f8f4822478558c207dfb48691

```

人为解决这个冲突：

```

Test.txt - 记事本
文件  编辑  查看

abc
ooo by jingli
aaa by xiaobing

```

解决完冲突之后，向远程库推送：

```
MINGW64/d/Git_House

10501@littlesix MINGW64 /d/Git_House (master|MERGING)
$ git add Test.txt

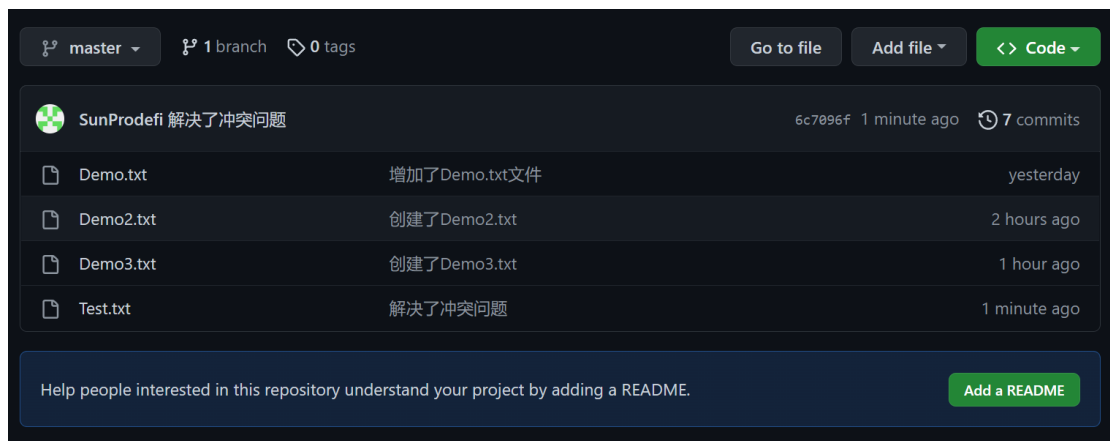
10501@littlesix MINGW64 /d/Git_House (master|MERGING)
$ git commit -m "解决了冲突问题" Test.txt
fatal: cannot do a partial commit during a merge.

10501@littlesix MINGW64 /d/Git_House (master|MERGING)
$ git commit -m "解决了冲突问题"
[master 6c7096f] 解决了冲突问题

10501@littlesix MINGW64 /d/Git_House (master)
$ git push origin master
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 16 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 594 bytes | 594.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/SunnyProdefi/Git_House.git
    0a26b81..6c7096f  master -> master

10501@littlesix MINGW64 /d/Git_House (master)
$ |
```

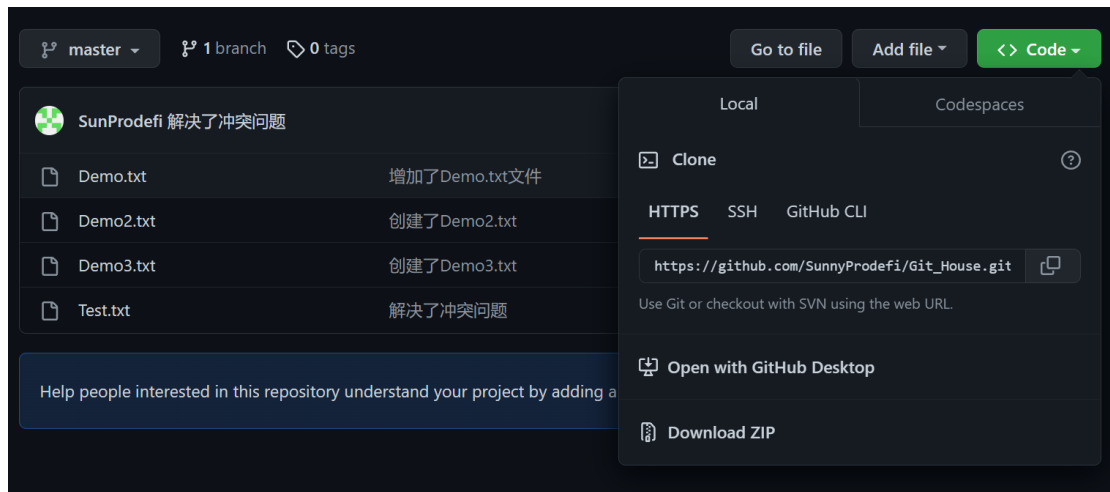
解决了冲突



## 跨团队合作

【1】得到远程库的地址：A 的项目经理





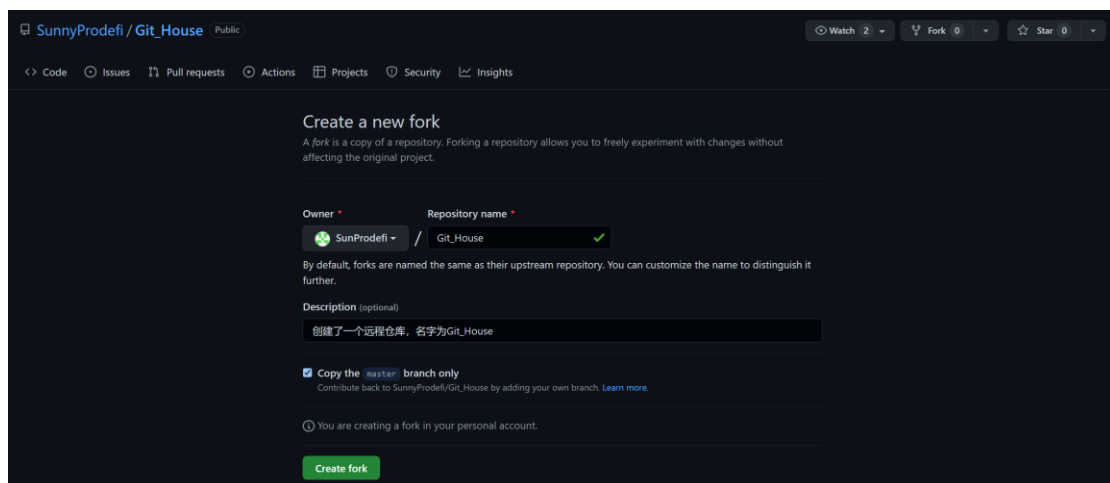
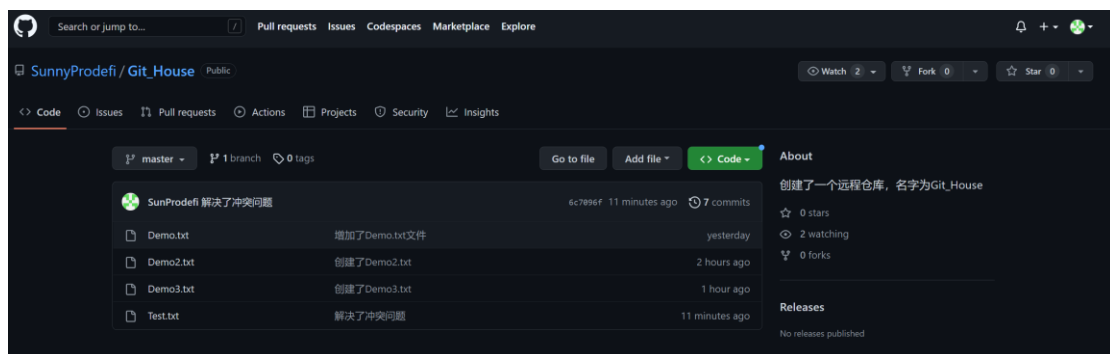
地址:

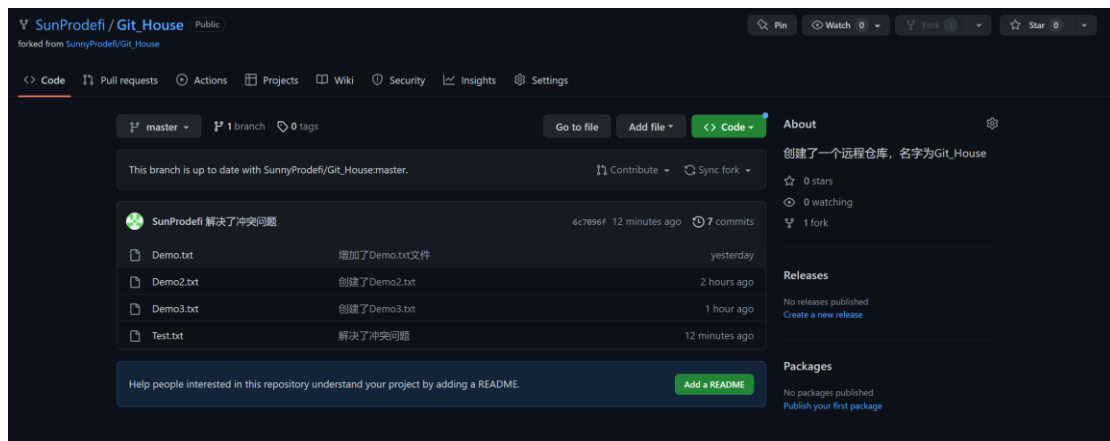
[https://github.com/SunnyProdefi/Git\\_House.git](https://github.com/SunnyProdefi/Git_House.git)

【2】进行 fork 操作: B 的小兵

进入到账号后:复制地址: [https://github.com/SunnyProdefi/Git\\_House.git](https://github.com/SunnyProdefi/Git_House.git)

点击 Fork 操作





【3】然后就可以克隆到本地，并且进行修改：B 的小兵

```
10501@littlesix MINGW64 /g
$ git clone https://github.com/SunProdefi/Git_House.git
Cloning into 'Git_House'...
remote: Enumerating objects: 21, done.
remote: Counting objects: 100% (21/21), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 21 (delta 5), reused 18 (delta 2), pack-reused 0
Receiving objects: 100% (21/21), done.
Resolving deltas: 100% (5/5), done.
```

然后进行更改：

## SSH 免密登录

【1】进入用户的主目录中：

```
10501@littlesix MINGW64 /c
$ cd ~
```

【2】执行命令，生成一个 .ssh 的目录：

```
10501@littlesix MINGW64 ~
$ ssh-keygen -t rsa -C sunprodefi@gmail.com
```

keygen——key generation

注意：C 大写

后面的邮箱是你的 github 注册的账号的时候对应的邮箱  
三次回车确认默认值即可

```
10501@littlesix MINGW64 ~
$ ssh-keygen -t rsa -C sunprodefi@gmail.com
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/10501/.ssh/id_rsa):
Created directory '/c/Users/10501/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/10501/.ssh/id_rsa
Your public key has been saved in /c/Users/10501/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:9tUaI1rM4aTkyxnR1wI9qUNfvo6ZW016bEGQ03ZXNW sunprodefi@gmail.com
The key's randomart image is:
+---[RSA 3072]-----+
|
|  .o.o .o*
|   o.o B +E
|    o + = B
|   o B o = ..
|  S * * ..o
|   o B o B=+
|  = . .+=.o
|    .. +
|    ...
+-----[SHA256]-----+
```

发现在 .ssh 目录下有两个文件：

id_rsa	2023/1/1 12:21	文件	3 KB
id_rsa.pub	2023/1/1 12:21	PUB 文件	1 KB

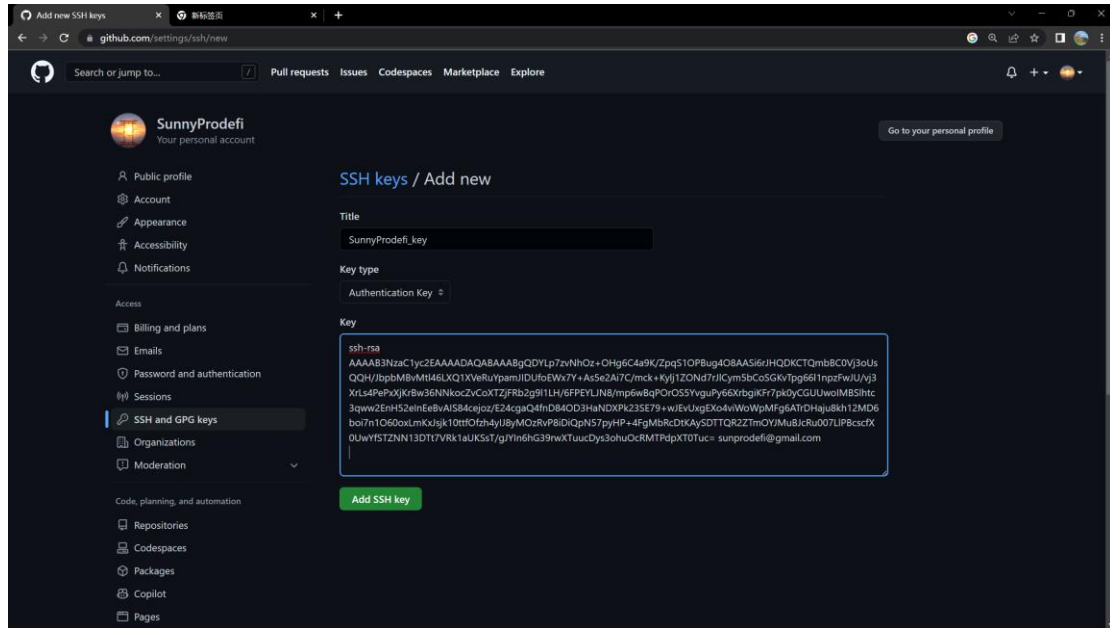
【3】打开 id\_rsa\_pub 文件，将里面的内容复制

ssh-rsa

```
AAAAB3NzaC1yc2EAAAADAQABAAQgQDYLP7zvNh0z+OHg6C4a9K/ZpqS10PBug408AASi
6rJHQDKCTQmbBCOVj3oUsQQH/JbpbMBvMt146LXQ1XVeRuYpamJIDUfoEWx7Y+As5e2Ai
7C/mck+Kylj1ZONd7rJlCym5bCoSGKvTpg66l1npzFwJU/vj3XrLs4PePxXjKrBw36NNk
ocZvCoXTZjFRb2g911LH/6FPEYLJN8/mp6wBqP0rOS5YvguPy66XrbgiKFr7pk0yCGUUw
oIMBSlhtc3qww2EnH52eInEeBvAIS84cejoz/E24cgaQ4fnD84OD3HaNDXpk23SE79+wJ
EvUxgEXo4viWoWpMFg6ATrDHaju8kh12MD6boi7n1060oxLmKxJsjk10ttf0fzh4yIJ8y
MOzRvP8iDiQpN57pyHP+4FgMbRcDtKAySDTTQR2ZTmOYJMuBJcRu007L1PBescfXOUwYf
STZNN13DTt7VRklauKSsT/gJYIn6hG39rwXTuucDys3ohu0cRMTPdpXT0Tuc=
```

[sunprodefi@gmail.com](mailto:sunprodefi@gmail.com)

【4】打开 github 账号



【5】生成密钥以后，就可以正常进行 push 操作  
对 ssh 远程地址起别名：

```
10501@littlesix MINGW64 /d/Git_House (master)
$ git remote add prigin_ssh git@github.com:SunnyProdefi/Git_House.git
```

展示别名：

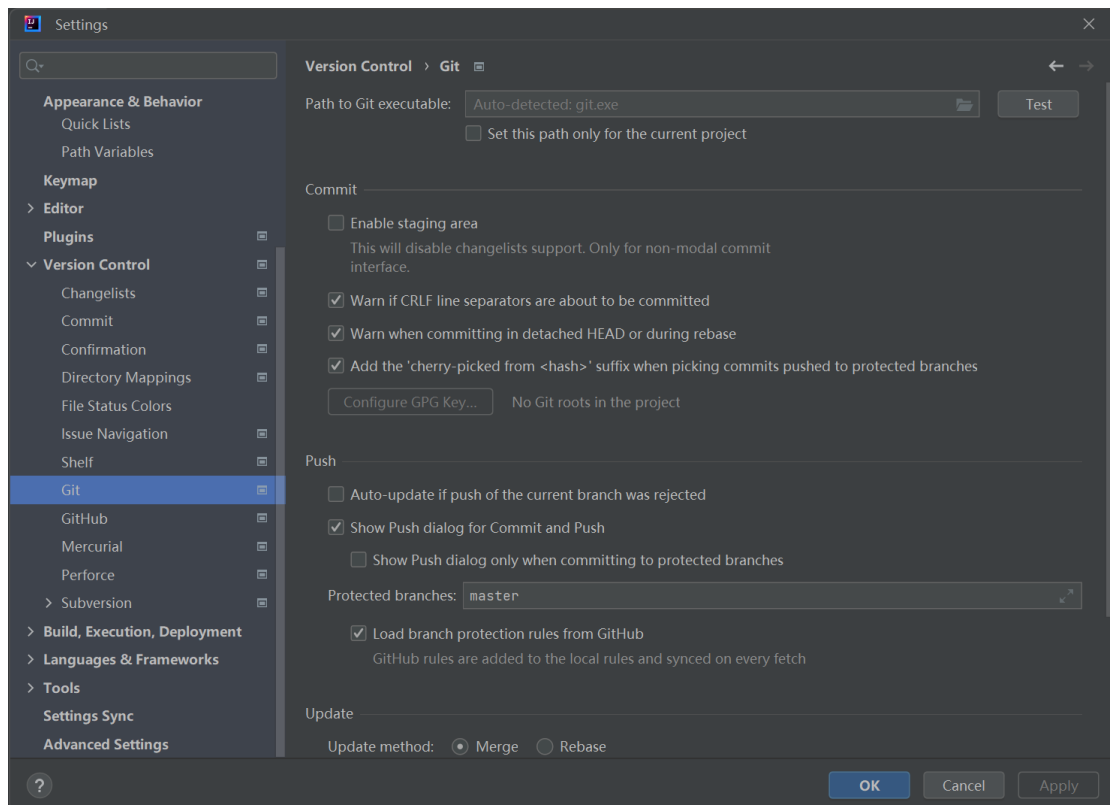
```
10501@littlesix MINGW64 /d/Git_House (master)
$ git remote -v
origin https://github.com/SunnyProdefi/Git_House.git (fetch)
origin https://github.com/SunnyProdefi/Git_House.git (push)
origin_ssh git@github.com:SunnyProdefi/Git_House.git (fetch)
origin_ssh git@github.com:SunnyProdefi/Git_House.git (push)
```

创建一个文件并提交到远程库（地址用的是 ssh 方式的地址）：

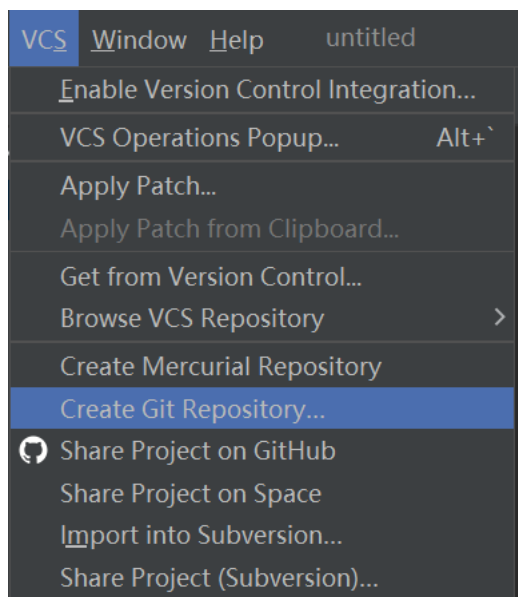
```
10501@littlesix MINGW64 /d/Git_House (master)
$ git push origin_ssh master
The authenticity of host 'github.com (20.205.243.166)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOQU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 285 bytes | 285.00 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.
To github.com:SunnyProdefi/Git_House.git
6c7096f..337247c master -> master
```

## IDEA 集成 Git

IDEA 集成 Git



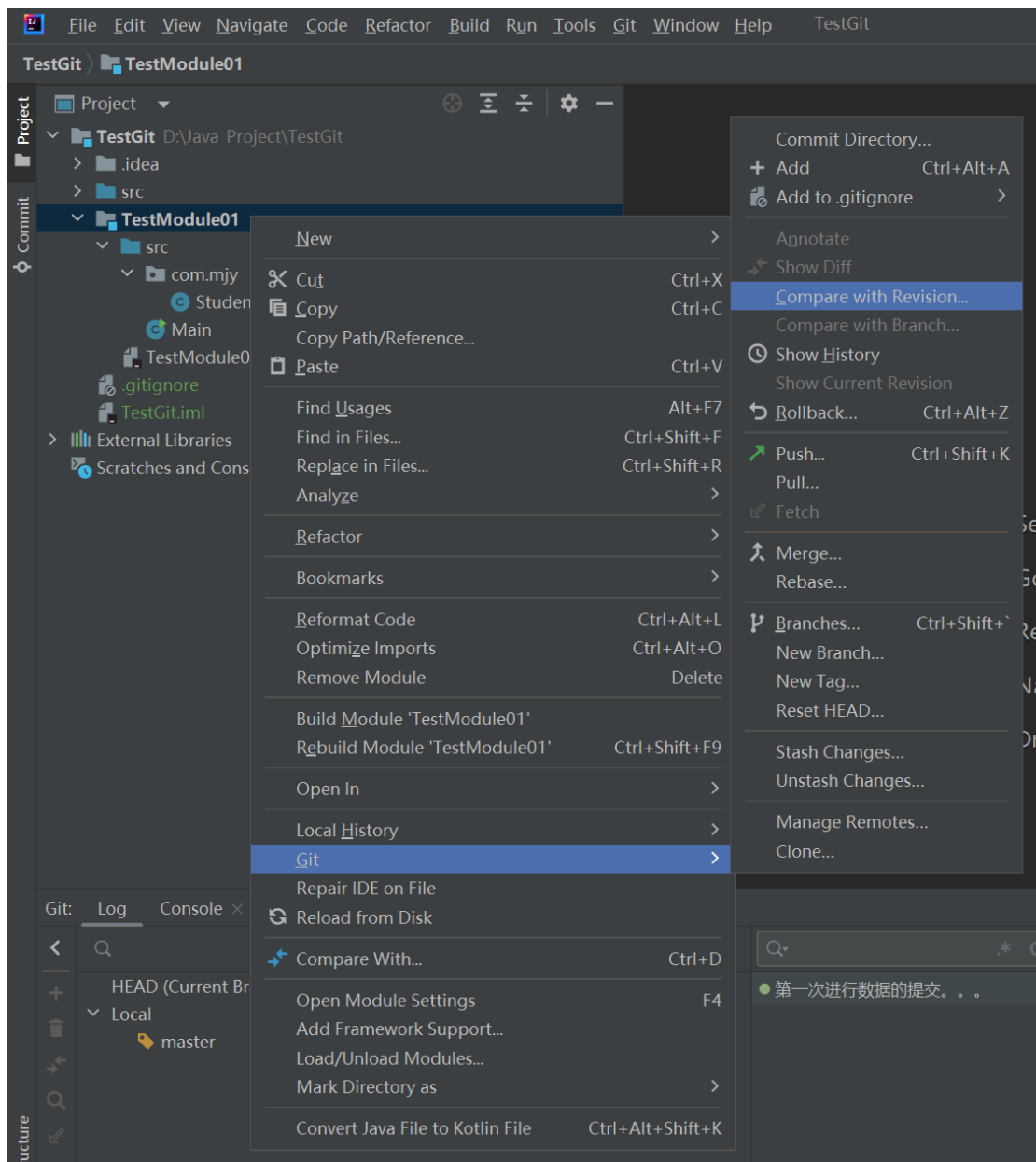
本地库的初始化操作：

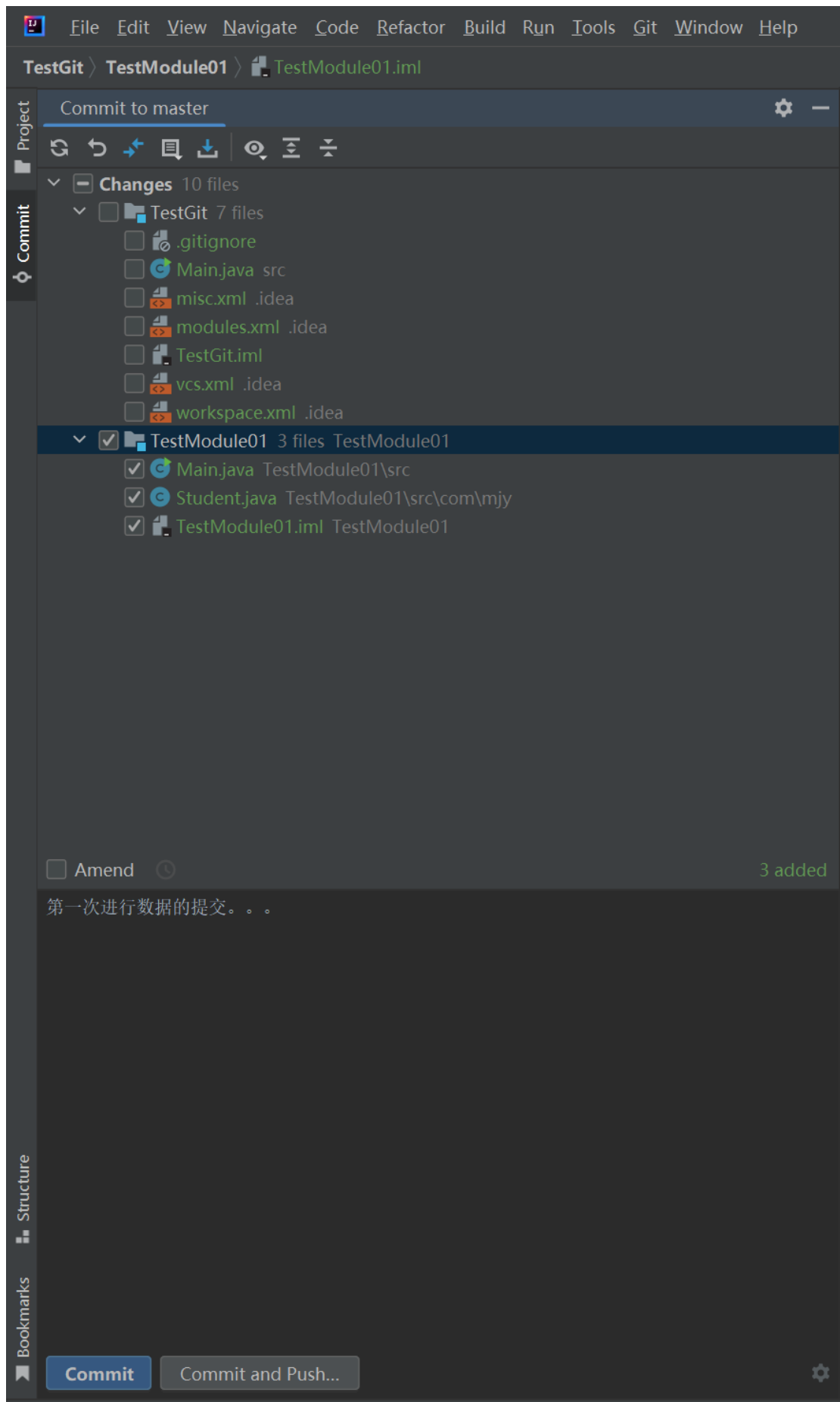


本地库初始化完成了，生成了.git 目录

.git	2023/1/1 15:19	文件夹	
.idea	2023/1/1 15:19	文件夹	
src	2023/1/1 15:19	文件夹	
.gitignore	2023/1/1 15:19	Git Ignore 源文件	1 KB
TestGit.iml	2023/1/1 15:19	IML 文件	1 KB

添加到暂存区，再提交到本地库操作；add+commit





当你更改内容以后，前面更本地库内容不一致的地方会显示绿色：

## 本地库与远程库的交互

### Pull 拉取

```
error: Your local changes to the following files would be overwritten by merge:
```

意思是我台式机上新修改的代码的文件，将会被git服务器上的代码覆盖；我当然不想刚刚写的代码被覆盖掉，看了git的手册，发现可以这样解决：

方法1：如果你想保留刚才本地修改的代码，并把git服务器上的代码pull到本地（本地刚才修改的代码将会被暂时封存起来）

```
git stash
git pull origin master
git stash pop
```

```
10501@littlesix MINGW64 /d/Java_Project/TestGit (master)
$ git pull git@github.com:SunnyProdefi/Git_House.git master --allow-unrelated-histories
From github.com:SunnyProdefi/Git_House
* branch          master      -> FETCH_HEAD
```

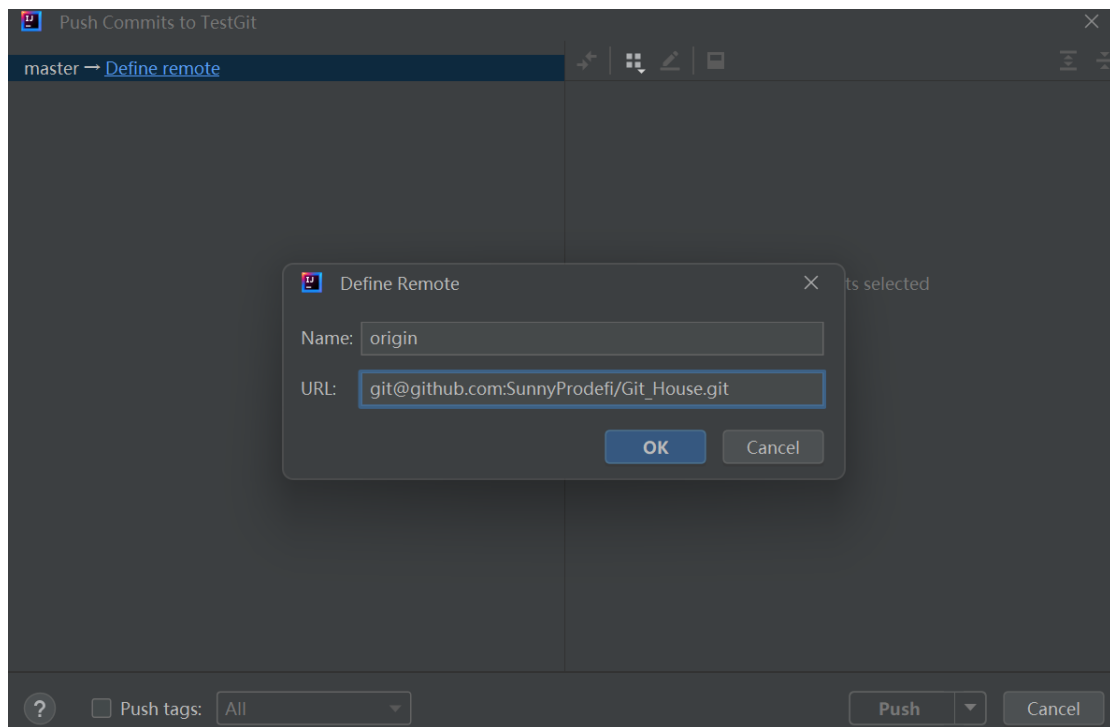
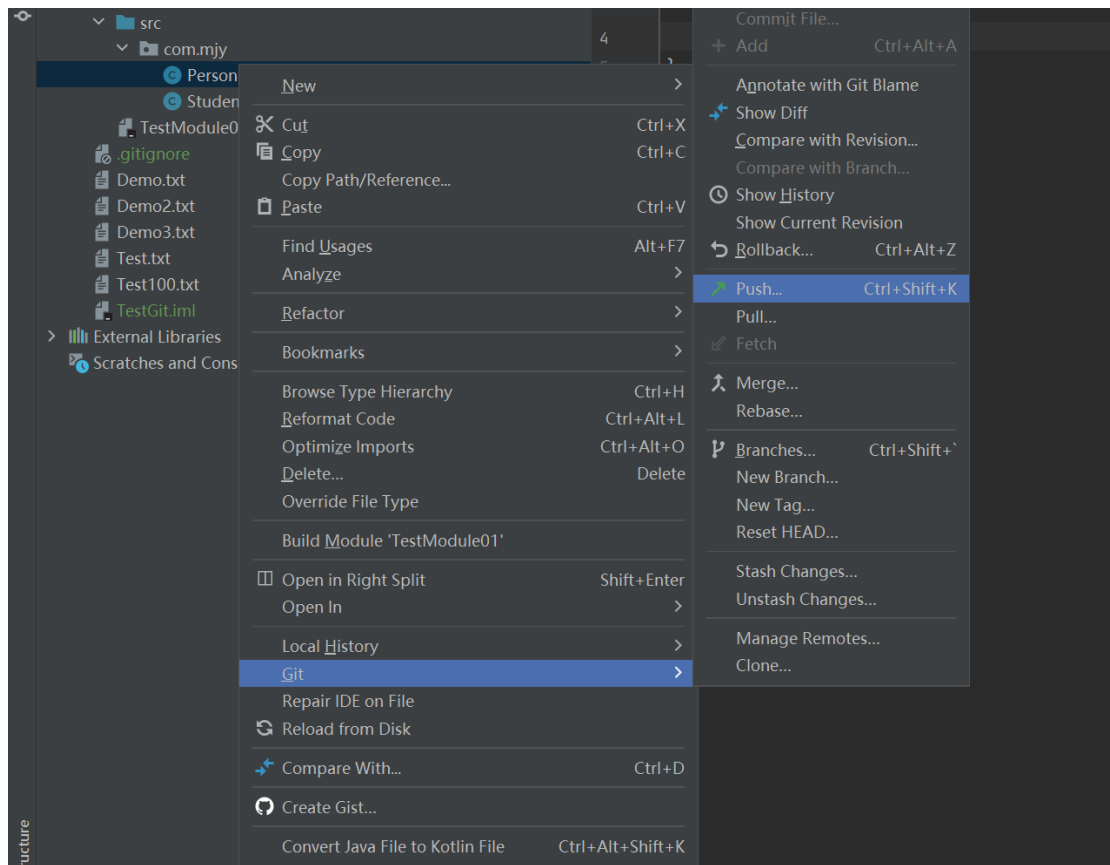
### Push 推送

```
10501@littlesix MINGW64 /d/Java_Project/TestGit (master)
$ git push -u git@github.com:SunnyProdefi/Git_House.git master -f
Enumerating objects: 19, done.
Counting objects: 100% (19/19), done.
Delta compression using up to 16 threads
Compressing objects: 100% (11/11), done.
Writing objects: 100% (18/18), 1.77 KiB | 452.00 KiB/s, done.
Total 18 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:SunnyProdefi/Git_House.git
  337247c..7aaea30  master -> master
branch 'master' set up to track 'git@github.com:SunnyProdefi/Git_House.git/master'.
```

到这里，远程库和本地库就可以进行交互了。

在 IDEA 进行推送

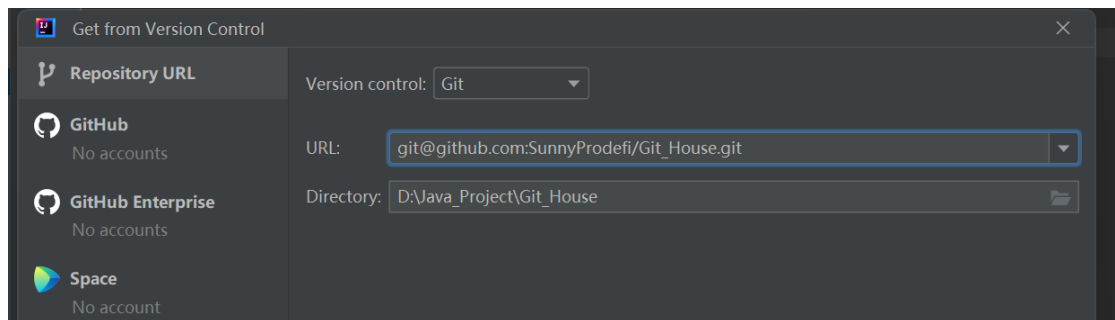
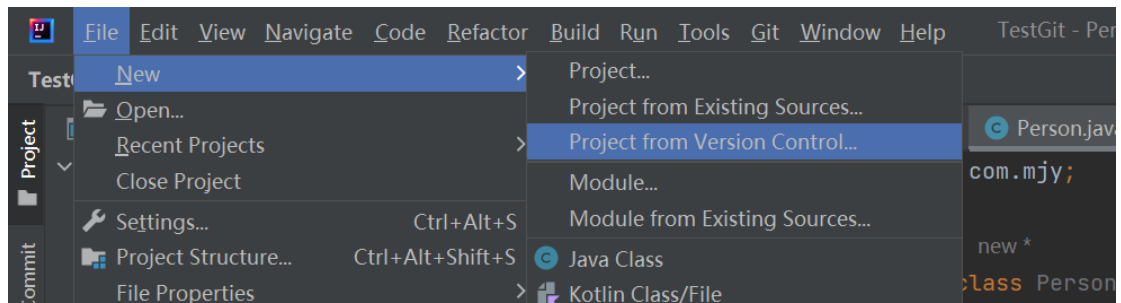




一般在开发中先 pull 操作，再 push 操作，不会直接进行 push 操作

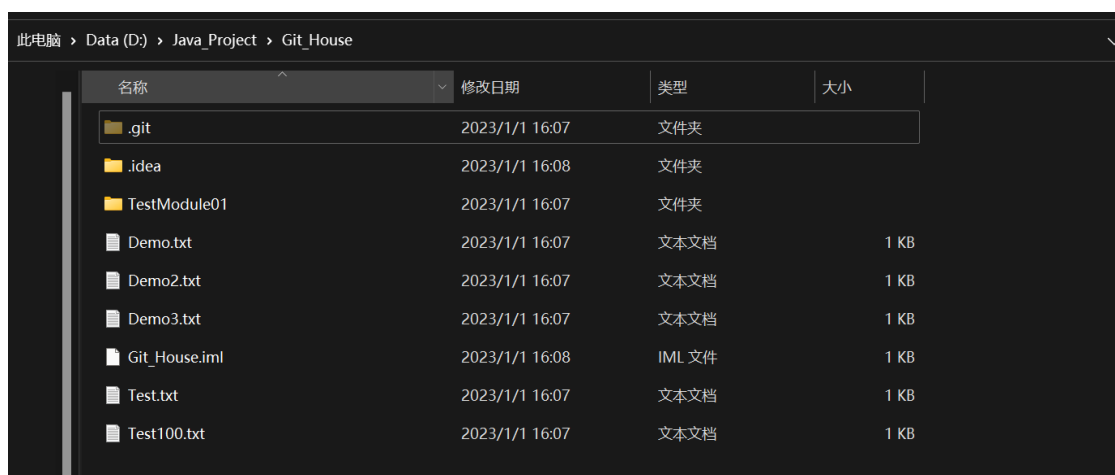
## 使用 IDEA 克隆远程库到本地

利用 IDEA 进行克隆项目：



克隆到本地后：

这个目录即变成了一个本地仓库，又变成了工作空间。



## 解决冲突

【1】在你 push 以后，有冲突的时候提示合并操作：

## 如何避免冲突

【1】团队开发的时候避免在一个文件中改代码

【2】在修改一个文件前，在 push 之前，先 pull 操作

## 2022GitHub 操作

### 介绍（坑!）

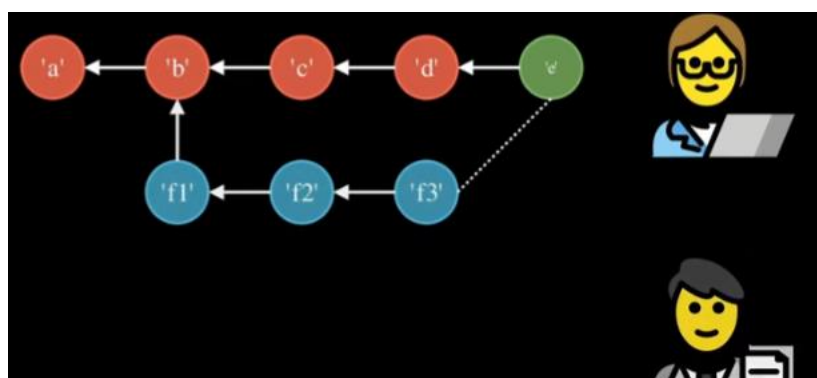
#### 背景简介:从GIT到GITHUB

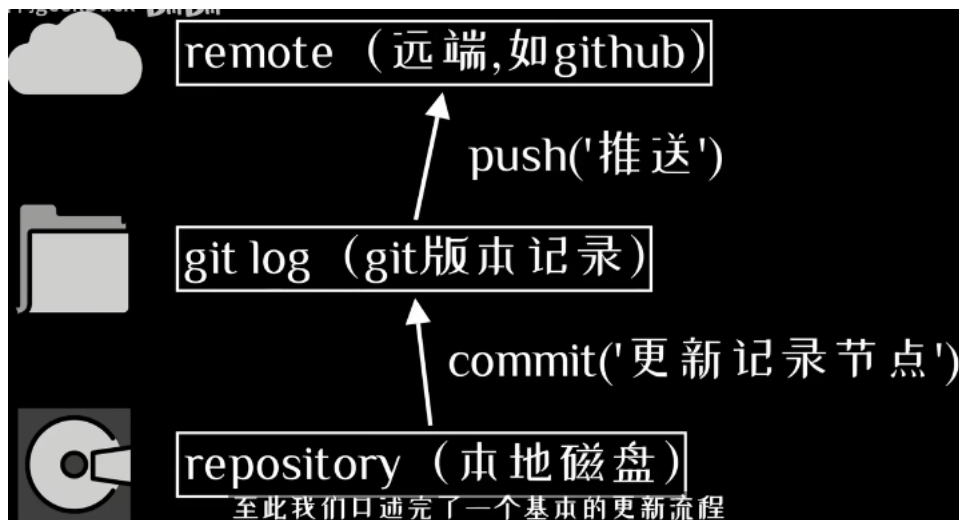
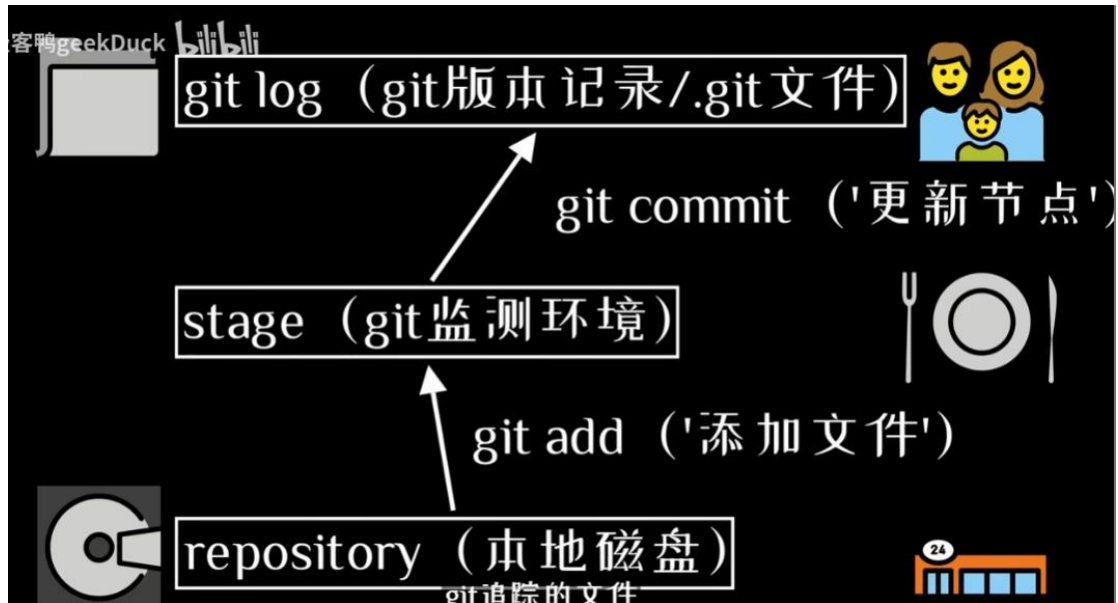
- 文本管理source control system
  - git vs svn vs mercurial
- git平台
  - github vs gitlab vs gitbucket vs gitee
- GitHub更新



#### 问:GIT的本质?

- DAG: directed acyclic graph (有向无环图)
  - 节点(commit node): 即一个确认的软件版本
  - 边(edge): 从后来的节点指向上一个节点
  - "主干"(default branch): 开发的主线 (长期存在)
  - "分支"(branch): 新开发的功能/测试 (临时存在)





### 问:GITHUB这两年的的一些“坑”?

- “主干”(default branch)默认名称更改:
  - 建议使用main而不是master
- 验证方式更改:
  - 使用ssh密钥验证
  - 不再接受账户密码的验证方式推送
- 文件大小限制: 超过50MB文件不再被服务器接受
  - 使用git Large File Storage
  - 使用云盘+提供链接
  - 将本地数据集中在一个文件夹内, 使用.gitignore设置忽略该文件

(坑啊!!!)

### 问:我可以不分享我的项目嘛?

- 完全可以(即使不买会员)
  - 在创建的时候你可以选择为“私有(private)”或者“公共(public)”项目
  - 私有项目, 也可以最多分享/邀请给多个其他账户
  - 你也可以随时在“私有”/“公共”两者之间转换

## 第一次上传



Tips:

创建项目不要 readme 文件 (可以之后添加)

it init 初始化本地库

更改到 main 分支

```
10501@littlesix MINGW64 /e/Study_Document (master)
$ git branch -m main
```

git add -A

跟踪所有文件的改变

git commit -m “创建了文件”

git statu 查看状态

```
10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
on branch main

No commits yet

changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Matlab.docx
    new file:   Matlab.pdf
    new file:   VS.txt
```

git remote add origin git@github.com:SunnyProdefi/Study\_Document.git

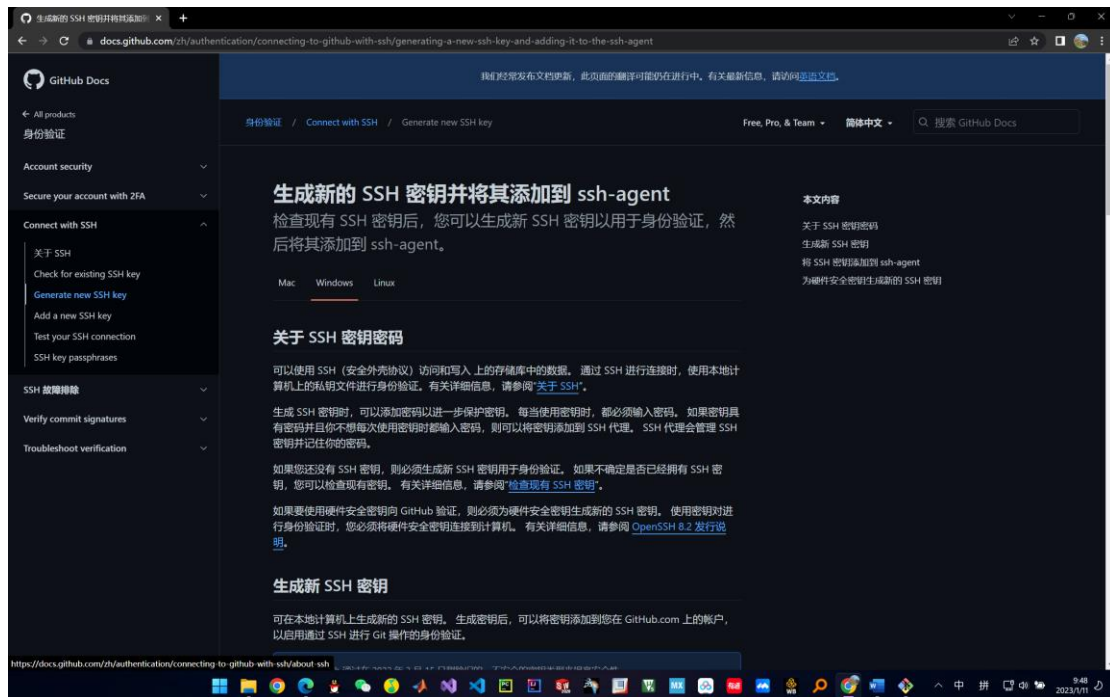
git push origin main

```
10501@littlesix MINGW64 /e/Study_Document (main)
$ git commit -m "2023/1/11第一次分享"
[main (root-commit) aa2be1c] 2023/1/11第一次分享
3 files changed, 26 insertions(+)
create mode 100644 Matlab.docx
create mode 100644 Matlab.pdf
create mode 100644 vs.txt
```

```
10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
on branch main
nothing to commit, working tree clean
```

## SSH 验证信息设置

### GitHub 教程



## 更新项目

```
git add -A
```

```
git status
```

```
git commit -m “ ”
```

```
git push origin main
```

- 掌握例1-3, 足够自己平时使用
- 之后可以看下面资料, 掌握更专业的开发流程

### 参考教程/资料

- bitbucket出的教程: <https://www.atlassian.com/git/tutorials/learn-git-with-bitbucket-cloud>
- 奇乐编程学院 B站: 【Git + GitHub 10分钟完全入门】
- 码衣高天 B站: 【十分钟学会正确的github工作流, 和开源作者们使用同一套流程】

## 下载项目

### 例3. 下载别人的项目

- 找到项目并复制 (fork) 到自己目录中
- 本地新建文件
- 移动到本地目录中

Fork

下载

## 示例操作

```
10501@littlesix MINGW64 /e/Study_Document
$ git init
Initialized empty Git repository in E:/Study_Document/.git/

10501@littlesix MINGW64 /e/Study_Document (master)
$ git branch -m main

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Matlab.pdf
    VS.txt

nothing added to commit but untracked files present (use "git add" to track)

10501@littlesix MINGW64 /e/Study_Document (main)
$ git add -A

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Matlab.pdf
    new file:   VS.txt
```

```

10501@littlesix MINGW64 /e/Study_Document (main)
$ git commit -m "2023/1/11第一次分享"
[main (root-commit) 97f4763] 2023/1/11第一次分享
 2 files changed, 26 insertions(+)
 create mode 100644 Matlab.pdf
 create mode 100644 VS.txt

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
nothing to commit, working tree clean

10501@littlesix MINGW64 /e/Study_Document (main)
$ git remote add origin git@github.com:SunnyProdefi/Study_Document.g
it

10501@littlesix MINGW64 /e/Study_Document (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 32.59 MiB | 1.65 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:SunnyProdefi/Study_Document.git
 * [new branch]      main -> main

```

## Lfs 示例操作

```

10501@littlesix MINGW64 /e/Study_Document (main)
$ git lfs install
Updated Git hooks.
Git LFS initialized.

10501@littlesix MINGW64 /e/Study_Document (main)
$ git lfs track "*.docx"
Tracking "*.docx"

10501@littlesix MINGW64 /e/Study_Document (main)
$ git add .gitattributes

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitattributes

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

10501@littlesix MINGW64 /e/Study_Document (main)
$ git commit -m "上传了属性文件"
[main 6eb4e16] 上传了属性文件
 1 file changed, 1 insertion(+)
 create mode 100644 .gitattributes

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Matlab.docx

nothing added to commit but untracked files present (use "git add" t
o track)

```



```

10501@littlesix MINGW64 /e/Study_Document (main)
$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 371 bytes | 371.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:SunnyProdefi/Study_Document.git
   97f4763..6eb4e16  main -> main

10501@littlesix MINGW64 /e/Study_Document (main)
$ git add Matlab.docx

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Matlab.docx

10501@littlesix MINGW64 /e/Study_Document (main)
$ git commit -m "2023/1/11第一次分享(lfs)" Matlab.docx
[main 29a1fc4] 2023/1/11第一次分享(lfs)
 1 file changed, 3 insertions(+)
 create mode 100644 Matlab.docx

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
nothing to commit, working tree clean

10501@littlesix MINGW64 /e/Study_Document (main)
$ git push origin main
Uploading LFS objects:  0% (0/1), 0 B | 0 B/s
Uploading LFS objects: 100% (1/1), 149 MB | 0 B/s
Uploading LFS objects: 100% (1/1), 149 MB | 0 B/s
Uploading LFS objects: 100% (1/1), 149 MB | 0 B/s, done.
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 398 bytes | 398.00 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.
To github.com:SunnyProdefi/Study_Document.git
   6eb4e16..29a1fc4  main -> main

10501@littlesix MINGW64 /e/Study_Document (main)
$

```

## 切换 git 提交 github 的账户

```

10501@littlesix MINGW64 /e/Study_Document (main)
$ git config user.name
Prodefi

10501@littlesix MINGW64 /e/Study_Document (main)
$ git config user.email
1050198128@qq.com

10501@littlesix MINGW64 /e/Study_Document (main)
$ git config --global user.name "SunnyProdefi"

10501@littlesix MINGW64 /e/Study_Document (main)
$ git config --global user.email "sunprodefi@gmail.com"

```

## 删除文件

```
git rm documentname
```

git add documentname

git commit -m "delete dcoument"

git push origin main

```
10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
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:    "\350\256\241\347\256\227\346\234\272\347\241\254\344\273\266\345\237\272\3
47\241\200.docx"
        deleted:    "\350\256\241\347\256\227\346\234\272\347\241\254\344\273\266\345\237\272\3
47\241\200.pdf"

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

10501@littlesix MINGW64 /e/Study_Document (main)
$ git add 计算机硬件基础.pdf 计算机硬件基础.docx

10501@littlesix MINGW64 /e/Study_Document (main)
$ git commit -m "delet计算机硬件基础"
[main 10b8e77] delet计算机硬件基础
 2 files changed, 3 deletions(-)
  delete mode 100644 "\350\256\241\347\256\227\346\234\272\347\241\254\344\273\266\345\237\272\3
47\241\200.docx"
  delete mode 100644 "\350\256\241\347\256\227\346\234\272\347\241\254\344\273\266\345\237\272\3
47\241\200.pdf"

10501@littlesix MINGW64 /e/Study_Document (main)
$ git status
On branch main
nothing to commit, working tree clean

10501@littlesix MINGW64 /e/Study_Document (main)
$ git push origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 253 bytes | 253.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:SunnyProdefi/Study_Document.git
 7f76f13..10b8e77  main -> main
```