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注册github账号

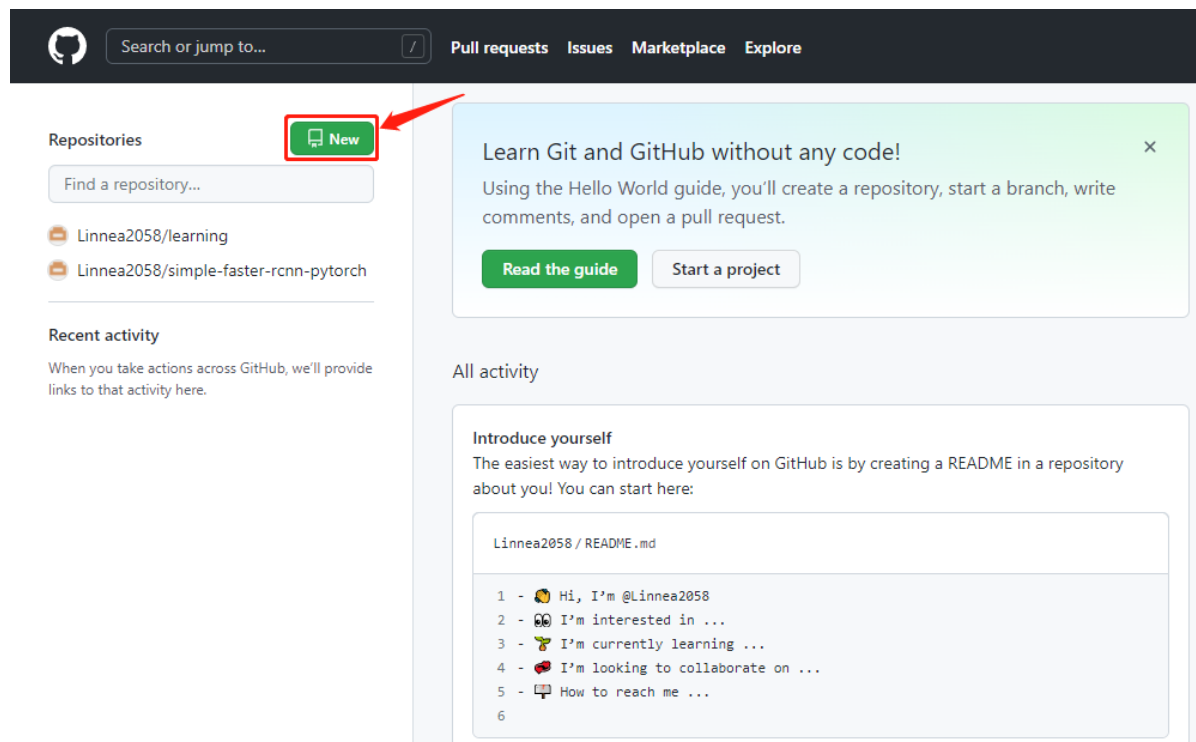
在<https://github.com/>上注册github账号

下载git

在<https://git-for-windows.github.io/>下载git，安装。

使用git

- 登录github账号，在首页点击New新建一个项目



- 填写项目信息

Repository name: 仓库名称（输入名字，最好不要使用中文）

Description(可选): 仓库描述介绍

Public, Private : 仓库权限（公开共享，私有或指定合作者）

Initialize this repository with a README: 添加一个README.md

gitignore: 不需要进行版本管理的仓库类型，对应生成文件.gitignore

license: 证书类型，对应生成文件LICENSE

Owner * Linnea2058 / Repository name * 仓库名

Great repository names are short and memorable. Need inspiration? How about [automatic-potato?](#)

Description (optional) 描述介绍

☒ **Public**
Anyone on the internet can see this repository. You choose who can commit.

☐ **Private**
You choose who can see and commit to this repository. 仓库权限

Initialize this repository with:
Skip this step if you're importing an existing repository.

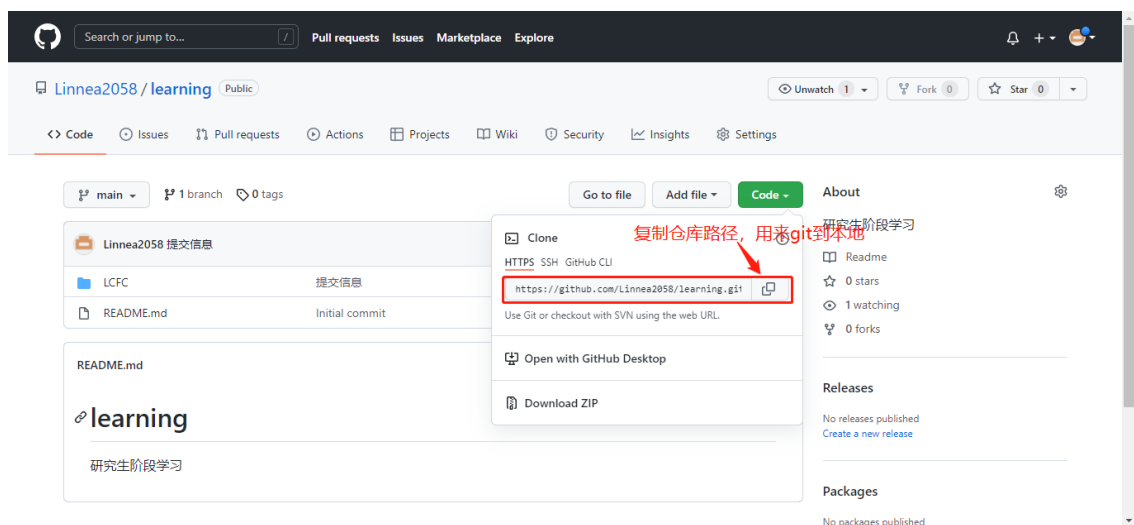
☐ **Add a README file**
This is where you can write a long description for your project. [Learn more.](#)

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more.](#)

☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more.](#)

Create repository 创建

- 创建成功



- git到本地

- 在本地文件夹下右击选择Git Bash Here。如下图在F盘的git文件夹下右击选择Git Bash Here。

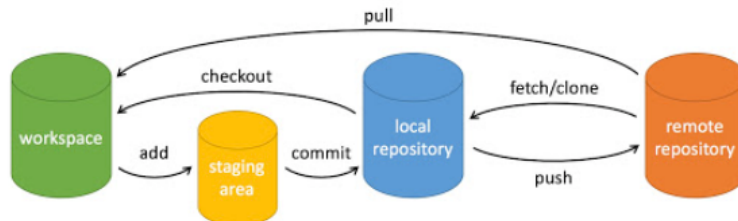
```
MINGW64:/f/git/learning
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git (master)
$ git clone https://github.com/Linnea2058/learning.git
Cloning into 'learning'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

- 把github上面的仓库克隆到本地

```
MINGW64:/f/git/learning
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git (master)
$ git clone https://github.com/Linnea2058/learning.git
Cloning into 'learning'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

- 在本地文件夹里操作，修改本地项目learning中的文件
- 将本地项目文件的修改更新到远程仓库

Git 常用的是以下 6 个命令：`git clone`、`git push`、`git add`、`git commit`、`git checkout`、`git pull`，后面我们会详细介绍。



```
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git (main)
$ cd learning/ 到learning文件夹

yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git/learning (main)
$ git add * 将所有修改add到缓冲器区

yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git/learning (main)
$ git status 查看文件的状态
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   LCFC/fta.py 等待提交的文件

yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git/learning (main)
$ git commit -m "提交信息"
[main 61e1527] 提交信息
 1 file changed, 234 insertions(+)
 create mode 100644 LCFC/fta.py

yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git/learning (main)
$ git push -u origin main push到github上的远程仓库
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 2.72 KiB | 1.36 MiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Linnea2058/learning.git
 736f665..61e1527 main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

- 此时本地上的修改已经同步到github上

遇到的问题

- `git push origin master`报错
 - 其含义是：将本地的 master 分支推送到 origin 主机的 master 分支。

- `git push <远程主机名> <本地分支名>:<远程分支名>`

如果本地分支名与远程分支名相同，可以写为

`git push <远程主机名> <本地分支名>`

- 但是新版本的github的主分支叫main,而本地主分支为master,所有可以修改本地分支为main,再\$ `git push origin main`

```
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git (master)
```

```
$ git branch -m master main
```

```
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git (main)
```

```
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git/learning (main)  
$ git push -u origin main
```

- github项目中不要用中文命名

```
yaoyao@DESKTOP-VDU5TNU MINGW64 /f/git/learning (main)
```

```
$ git status
```

```
On branch main
```

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

```
Changes to be committed:
```

```
(use "git restore --staged <file>..." to unstage)
```

```
new file:   "git\347\232\204\344\275\277\347\224\250.md"
```

- 删除远程仓库 (github)中的文件——将远程仓库里面的项目拉下来，在本地操作删除某文件，再上传到gitHub

- `git pull origin master` 将远程仓库里面的项目拉下来

- `git rm 文件名` 删除本地文件

- `git commit -m "提交描述"`