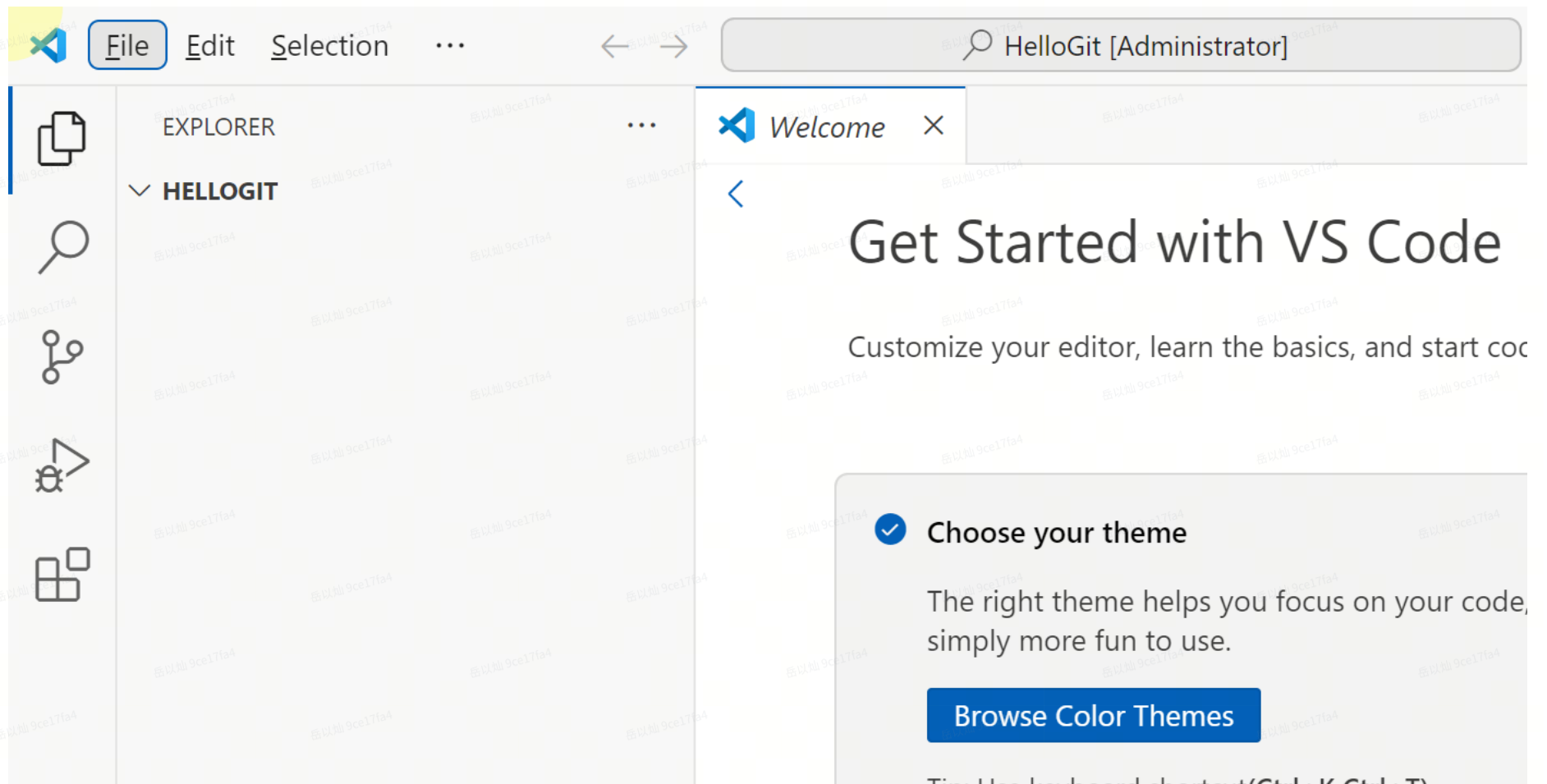


# 课堂笔记

## 1. HelloGit

新建工作区目录：D:\cpp\HelloGit

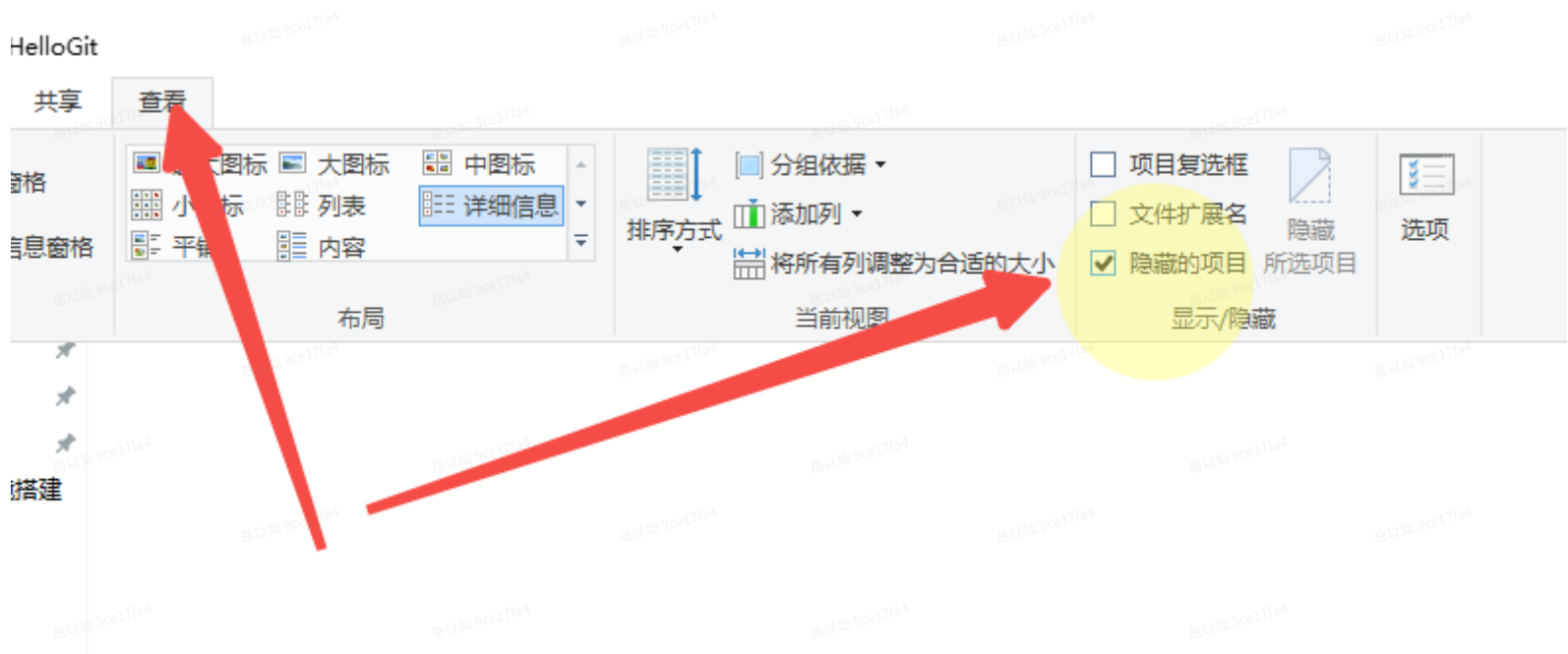
用vscode打开这个目录



把这个目录变成git管理的工作区目录

```
cd D:\cpp\HelloGit
```

```
git init.
```





建议平时还是隐藏起来，避免误操作  
仓库、暂存区（或索引区）就在.git中  
新建hello.txt  
git status

```
D:\cpp\HelloGit>git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to add to the commit)
        hello.txt
```

git add .  
git status

```
D:\cpp\HelloGit>git add .

D:\cpp\HelloGit>git status
On branch master

No commits yet

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

第一次会报错，提示不认识你

```
D:\cpp\HelloGit>git commit -m "add hello.txt ~~~~"
Author identity unknown

*** Please tell me who you are.
```

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

git config --global user.name "Your Name"

再执行：

git add .

git status

```
D:\cpp\HelloGit>git commit -m "add hello.txt ~~~~"
[master (root-commit) d74113e] add hello.txt ~~~~
1 file changed, 1 insertion(+)
create mode 100644 hello.txt

D:\cpp\HelloGit>git status
On branch master
nothing to commit, working tree clean
```

成功加入仓库！

查看仓库里的版本信息：git log

```
D:\cpp\HelloGit>git log
commit d74113e3b8c543c0e3328c820c65782645ccf506 (HEAD -> master)
Author: Your Name <you@example.com>
Date:   Fri Nov 8 15:41:26 2024 +0800

    add hello.txt ~~~~
```

恢复工作区内容：git restore .

恢复暂存区内容：git restore --staged

恢复仓库中的某一个版本：git reset --hard XXX

其中，XXX是版本号

查看历史版本号：git log

查看隐藏的版本号：git reflog

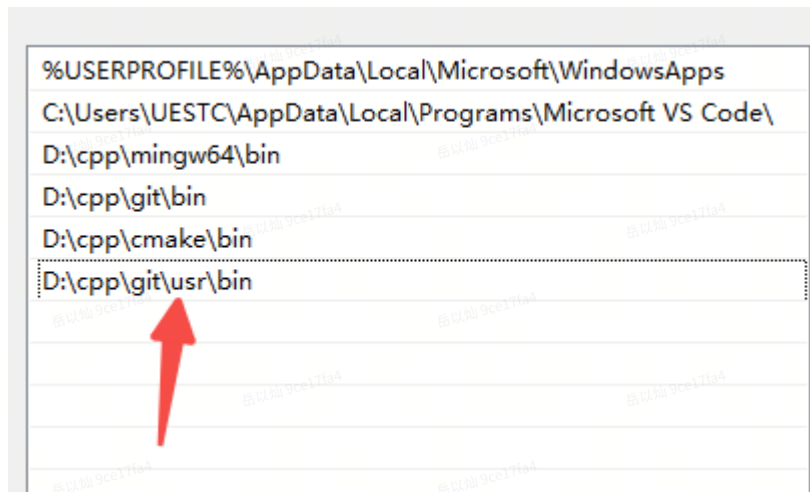
查看标签：git tag

新建标签：git tag t\_begin XXX

恢复某个标签对应的版本：git reset --hard t\_begin

## 2. HelloCMake

配置环境变量，增加对linux命令的支持：



记住重启vscode