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## 一、上传文件合并命令

### 1.1 第一次创建 git 仓库全部步骤：

基本命令就是如下：

**\$ cd myproject**      #定位到要上传文件的文件夹，一般情况下右键》git bush  
here 就是可以了

**\$ git init**      # 把此文件夹内容初始化

**\$ git add .**      # 把内容加入到 git 缓冲中去（注意 add 与 “.” 之间有空格）

**\$ git commit -m 'initial commit'**      # 添加评论内容（此内容不写，没有文件写入）

**\$ git remote add origin <https://github.com/DreamsFuture/Javase-source-code.git>**      #获得远程 GitHub 的地址，这样可以 push 到这个仓库中去，这里容易出现的问题就是 name “origin” 这个本地库名重名，一般一个项目一个仓库 “name”，如果想修改名字，可以参考如下：

上面这句指令执行了之后，就会出现用户名和密码输入，然后就执行上传

**\$ git push origin master**

### 1.2 在已经创建好的仓库时，更新（修改和删除）和增加内容：

**\$ cd myproject**      #定位到要上传文件的文件夹，一般情况下右键》git bush  
here 就是可以了

**\$ git add .**      # 把内容加入到 git 缓冲中去（注意 add 与 “.” 之间有空格）

Add 的内容自动识别修改过的文件这样就可以对应添加 comment

**\$ git commit -m '修改内容'**      # 添加评论内容（此内容不写，没有文件写入）

**\$ git push origin master**

```
MINGW64:/e/HowToUseGitHub

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git commit -m 'PDF版内容可以直接打 '
[master b6a6426] PDF版内容可以直接打开
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 "GitHub\344\275\277\347\224\250\350\277\207\347\250\213\351\201\207\345\210\260\347\232\204\351\227\256\351\242\230\345\222\214\345\255\246\344\271\240\347\273\217\351\252\214.pdf"

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git remote add origin https://github.com/DreamsFuture/HowToUseGitHub.git
fatal: remote origin already exists.

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git push origin master
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 762.46 KiB | 0 bytes/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/DreamsFuture/HowToUseGitHub.git
f2cf55b..b6a6426 master -> master

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git init
'Reinitialized existing Git repository in E:/HowToUseGitHub/.git/'

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git push origin master
Everything up-to-date

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git add .

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git commit -m '修改内容'
[master 709fff9] 修改内容
2 files changed, 0 insertions(+), 0 deletions(-)

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ git push origin master
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 178.40 KiB | 0 bytes/s, done.
Total 4 (delta 3), reused 0 (delta 0)
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/DreamsFuture/HowToUseGitHub.git
b6a6426..709fff9 master -> master

Colin@DESKTOP-Q551LN MINGW64 /e/HowToUseGitHub (master)
$ |
```

结果如下：

Source: README

New pull request

Stash repository

Ignore this file

Pin this file

Sign in to commit

DreamsFuture 修改内容

Latest commit 709fff9 28 seconds ago

GitHub使用过程遇到的问题和学习经验.docx	修改内容	28 seconds ago
GitHub使用过程遇到的问题和学习经验.pdf	<a href="#">修改内容</a>	28 seconds ago
Git使用指南.pdf	initial commit with using github	23 minutes ago
github基本教学 - 從無到有.mp4	initial commit with using github	23 minutes ago
【教學】如何使用GitHub.mp4	initial commit with using github	23 minutes ago

Help people interested in this repository understand your project by adding a README.

Add a README

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### 1.3 在另外一台电脑或者另外一个系统中使用相同账号处理一个仓库

**\$ cd myproject**      #定位到要上传文件的文件夹, 一般情况下右键》git bush  
here 就是可以了

## 2. Github 自动给出的指令方法:

### 2.1 ...or create a new repository on the command line

```
echo "# Test" >> README.md
git init
git add README.md （本地应该有才能增加）
git commit -m "first commit"
git remote add origin https://github.com/DreamsFuture/Test.git
git push -u origin master
```

### 2.2 push an existing repository from the command line

```
git remote add origin https://github.com/DreamsFuture/Test.git
git push -u origin master
```

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## 自己理解的深度

### 问题分析

如下图 Figure 1 所示，选中文件夹，上传的不是本文件夹，而是此文件夹的信息，所以要根据具体内容来上传；

<https://github.com/DreamsFuture/Javase-source-code.git> 信息是从 Figure 1 右上框获取的，所以必须先在 GitHub 网址上先创建内容，才能把东西上传上去；

至于下面的那个 md 文件，就是我创建 GitHub 仓库时附带的，但是我自己使用 commit 这个命令时出现问题，导致我之前一直没有做成功过；

但是最后我再一次重新试了一遍，然后跳过了一些步骤之后，就成功了，如下图 Figure 2 所示

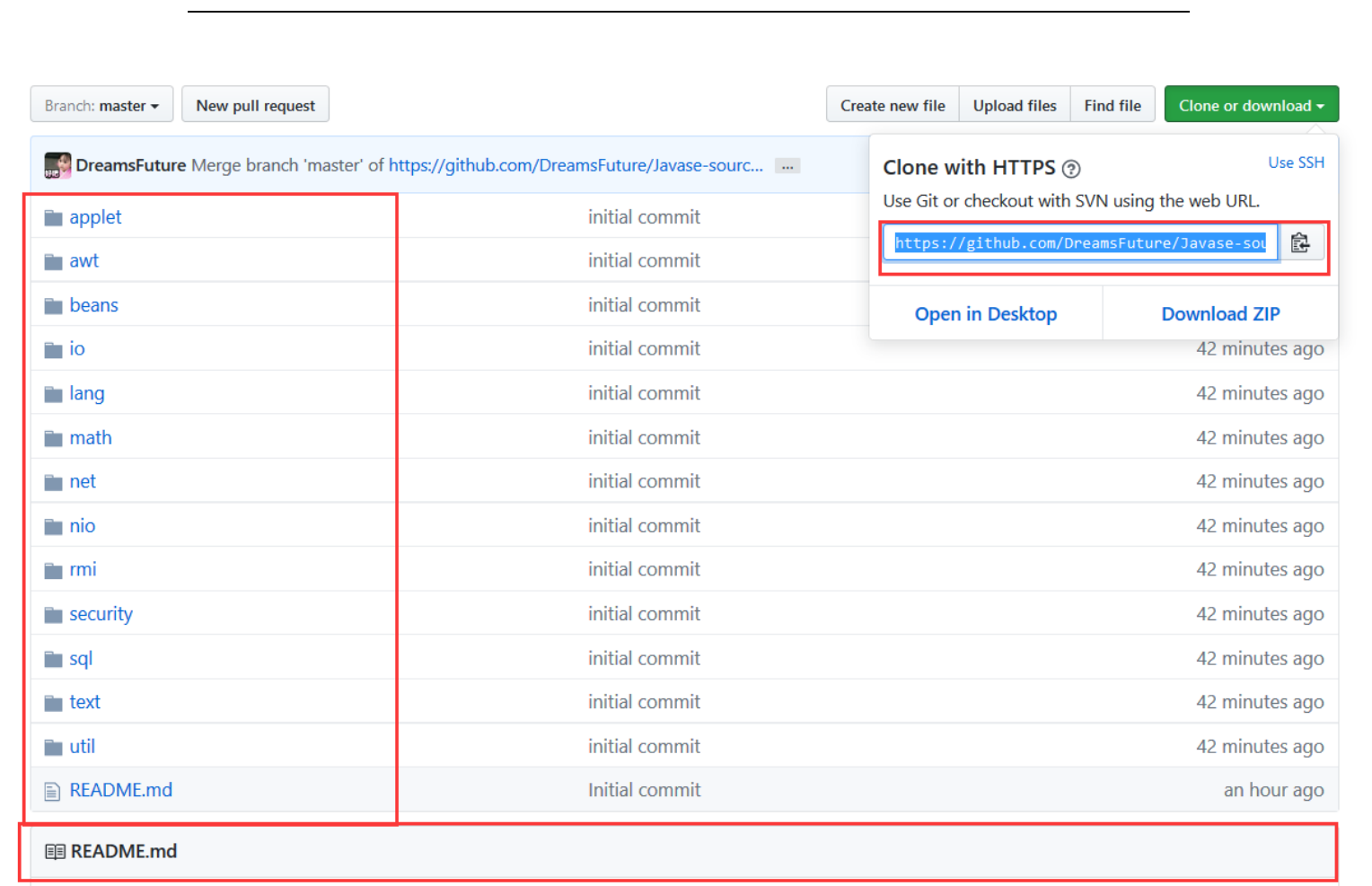


Figure 1 GitHub upload files problem

中间没有画出框的内容“initial commit”是我之前做过的一次的评论和说明，但是之前问题很多，不知道什么原因，现在也不是很清楚；

```
MINGW64:/e/Java/?????/java
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$ git init
Reinitialized existing Git repository in E:/Java/基本类源代码/java/.git/
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$ git add.
git: 'add.' is not a git command. See 'git --help'.
Did you mean this?
    add
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$ git add .
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$ git remote https://github.com/DreamsFuture/Javase-source-code.git
error: Unknown subcommand: https://github.com/DreamsFuture/Javase-source-code.git
usage: git remote [-v | --verbose]
       or: git remote add [-t <branch>] [-m <master>] [-f] [--tags | --no-tags] [--mirror=<fetch|push>] <name> <url>
       or: git remote rename <old> <new>
       or: git remote remove <name>
       or: git remote set-head <name> (-a | --auto | -d | --delete | <branch>)
       or: git remote [-v | --verbose] show [-n] <name>
       or: git remote prune [-n | --dry-run] <name>
       or: git remote [-v | --verbose] update [-p | --prune] [(<group> | <remote>)..]
       or: git remote set-branches [--add] <name> <branch>...
       or: git remote get-url [--push] [--all] <name>
       or: git remote set-url [--push] <name> <newurl> [<oldurl>]
       or: git remote set-url --add <name> <newurl>
       or: git remote set-url --delete <name> <url>

       -v, --verbose          be verbose; must be placed before a subcommand
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$ git remote add origin https://github.com/DreamsFuture/Javase-source-code.git
fatal: remote origin already exists.
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$ git push origin master
Counting objects: 1237, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (1236/1236), done.
Writing objects: 100% (1237/1237), 3.12 MiB | 272.00 KiB/s, done.
Total 1237 (delta 282), reused 0 (delta 0)
remote: Resolving deltas: 100% (282/282), done.
To https://github.com/DreamsFuture/Javase-source-code.git
d86bde2..f915cc0 master -> master
Colin@DESKTOP-TPH9C2G MINGW64 /e/Java/基本类源代码/java (master)
$
```

Figure 2 在已经做过一遍上传但是有 errors 的情况下，利用 GitHub 上传文件的整个过程

### 三、本地库的操作

- 1、在 wongya 文件夹下创建 test.txt，输入 111 并保存。

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2、`git add .`（或文件名） 将文件添加到缓存区，`git commit` （可添加文件名）`-m "此处添加注释"`将文件上传到本地版本库。

3、`git branch` 分支名 添加分支，`git checkout` 分支名 可以切换分支。`add`、`commit` 到版本库之后切换回 `master` 主分支，`git merge` 子分支名 将子分支上的更改合并到 `master` 主分支上。`git checkout -b` 分支名在子分支上对 `master` 主分支进行更改，`git branch -d` 分支名 可以删除分支。

## 四、将本地库上传到远程

1、`git remote add origin +个性网址`。

2、`git pull origin master` 从远程下载代码合并到本地的 `master` 主分支上确保远程与本地不冲突。

3、`git push origin master` 将本地的代码合并到远程分支。

## 五、总结

`git --version` 查询版本号

`git config --global user.name " "` 名字

`git config --global user.email " "` 邮箱

`git add` 文件名 将文件添加到缓存区

`git add .` 将所有文件添加到缓存区

`git commit` 文件名 `-m"注释"` 将文件提交到版本库

`git status` 有没有没提交的更新

`git diff` 具体怎么改的

`git rm -f` 文件名 删除文件，要提交才行

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`git log` 显示日志 `git branch` 查看分支，带\*的是当前分支,创建分支

`git branch -a` 包括远程分支

`git checkout` 分支 切换到分支

`git checkout -b` 创建并切换分支

`git merge` 分支 `master` 合并 `merge` 分支，分支的修改要相互不影响

`git push origin` 分支名字 上传到远程分支

`git clone` 第一次拿远程的代码

`git pull` 之后拿代码

`git remote add origin` 添加新的远程仓库

`git pull origin master` 将远程的代码直接合并到本地 `master` 上确保远程与本地不冲突，在将本地的子分支合并到本地主分支确保本地之间不冲突，再把 `master` 合并到远程分支

## 很多不懂的问题，以后要高明白

### 问题一： `git pull: There is no tracking information for the current branch`

`git pull: There is no tracking information for the current branch`

▲  
150

i've been using github from a relatively short period, and I've always used the client to perform commits and pulls. I decided to try it from the git bash yesterday, and I successfully created a new repo and committed files.

▼  
★

today I did changes to the repository from another computer, I've committed the changes and now I'm back home and performed a `git pull` to update my local version and i get this:

32

There is no tracking information for the current branch.  
Please specify which branch you want to merge with.  
See `git-pull(1)` for details

`git pull <remote> <branch>`

If you wish to set tracking information for this branch you can do so with:

`git branch --set-upstream develop origin/<branch>`

the only contributor to this repo is me and there are no branches (just a master). I'm on windows and I've performed the pull from git bash (<http://prntscr.com/85picx>)



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## 问题二: Issue pushing new code in Github

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### Issue pushing new code in Github

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▲ I created a new repository on Github which has only Readme.md file now.

49 ▼ I have a newly created RoR project which I wanted to push to this repository. Following are the commands I gave in my Terminal to execute this along with the error I am getting.

★ 20 After which I entered my username and password

```
git remote add origin https://github.com/aniruddhabarapatre/learn-rails.git
```

```
git push -u origin master
```

Error ---

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

This is my first time pushing my code to a Github repository and I'm lost with the errors. I searched few other questions that are asked here, but none of them had issues first time.

## 问题三: fatal: The current branch master has no upstream branch

### fatal: The current branch master has no upstream branch

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▲ I'm trying to push one of my projects to github, and I keep getting this error:

36 ▼

★ 12

```
peeplesoft@jane3:~/846156 (master) $ git push

fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin master
```

## 问题四：Git refusing to merge unrelated histories

### Git refusing to merge unrelated histories



## 问题五： error:src refspec master does not match any

这个问题，我之前也遇到过，这次又遇到了只是时间间隔比较长了，为了防止以后再遇到类似问题，还是把这个方法简单记录在此。

当然，是通过搜索引擎找到的答案，开始用谷歌，我以为 stackoverflow 会很权威的，结果在这上面没有找到合适的。

<http://stackoverflow.com/questions/21264738/error-src-refspec-master-does-not-match-any>

反倒是换用百度输入，查看中文的东西才解决了这个问题。

问题产生

原因分析

引起该错误的原因是，目录中没有文件，空目录是不能提交上去的

解决方法

```
touch README
git add README
git commit -m 'first commit'
git push origin master
```

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來源：简书

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