

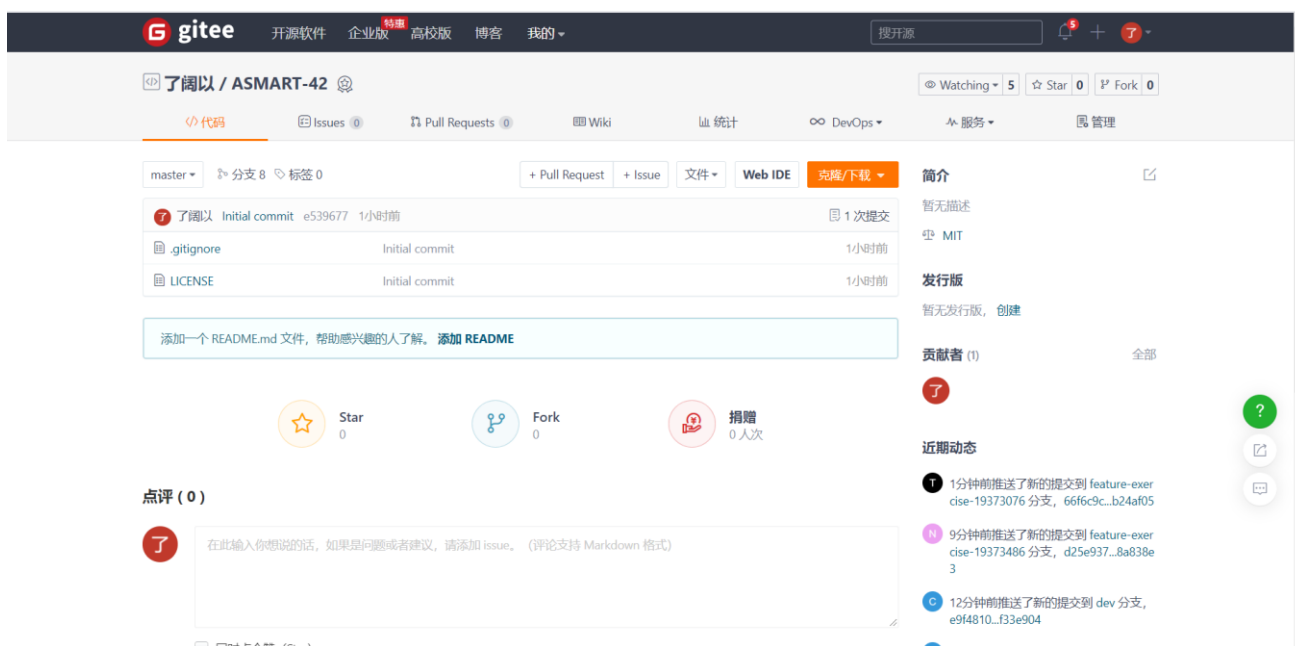
# 2021 软工第二次上机 任务二

## 小组信息

组号	42	
组员 1（组长）	19373484	邹志凯
组员 2	19373073	何潇龙
组员 3	19373076	聂文浩
组员 4	19373574	孙宏伟
组员 5	19373486	谷知峰

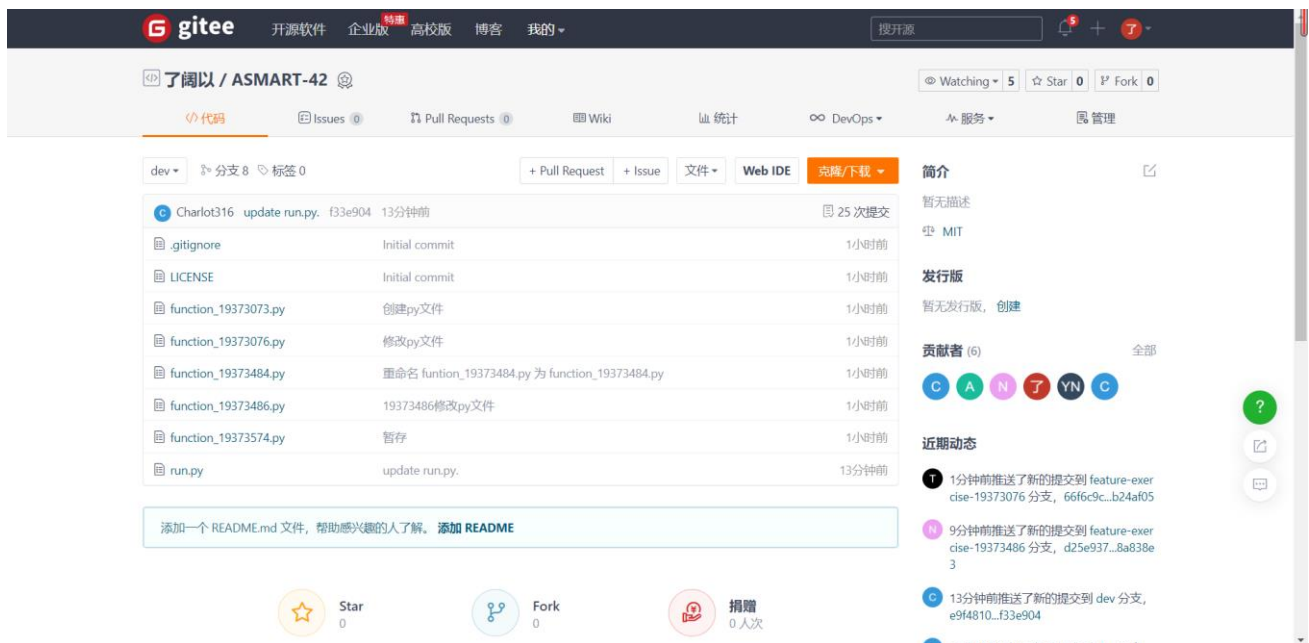
1. 组长远程仓库上新建代码仓库，仓库名：ASmart-组号，并为组员授权。

仓库的主页截图：



2. 远程仓库上以 master/main 分支为基础，创建 dev 分支，添加 run.py 文件。

dev 分支主页的截图：



3. 各小组成员 clone 远程仓库到本地，创建本地 dev 分支，与远程同步。

各小组成员的控制台截图：

(1) 组员 1:

```

MINGW64:/c:/Users/86182/Desktop/新建文件夹/asmart-2
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (master)
$ git fetch
From https://gitee.com/aggshsjs/asmart-2
* [new branch]      feature-exercise-19373484 -> origin/feature-exercise-19373484
* [new branch]      feature-exercise-19373486 -> origin/feature-exercise-19373486

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (master)
$ git checkout -b dev origin/dev
Switched to a new branch 'dev'
Branch 'dev' set up to track remote branch 'dev' from 'origin'.

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$
  
```

(2) 组员 2:



A terminal window titled 'MINGW64:/e/新建文件夹/asmart-2'. The prompt is '86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (master)'. The user enters '\$ git branch', and the output is '\* master'. Then, the user enters '\$ git checkout -b dev origin/dev', and the output is 'Switched to a new branch 'dev'' and 'Branch 'dev' set up to track remote branch 'dev' from 'origin''. Finally, the user enters '\$', and the prompt changes to '86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)'.

```
MINGW64:/e/新建文件夹/asmart-2
86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (master)
$ git branch
* master

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (master)
$ git checkout -b dev origin/dev
Switched to a new branch 'dev'
Branch 'dev' set up to track remote branch 'dev' from 'origin'.

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ |
```

(3)



A terminal window titled 'MINGW64:/c/Users/Administrator/Desktop/软件工程/ASmart-42/as...'. The prompt is 'Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (master)'. The user enters '\$ git branch', and the output is '\* master'. Then, the user enters '\$ git checkout -b dev origin/dev', and the output is 'Switched to a new branch 'dev'' and 'Branch 'dev' set up to track remote branch 'dev' from 'origin''. Finally, the user enters '\$', and the prompt changes to 'Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)'.

```
MINGW64:/c/Users/Administrator/Desktop/软件工程/ASmart-42/as...
Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (master)
$ git branch
* master

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (master)
$ git checkout -b dev origin/dev
Switched to a new branch 'dev'
Branch 'dev' set up to track remote branch 'dev' from 'origin'.

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$
```

(4)

```

MINGW64:/c:/Users/CharlotFirth/Desktop/2021春/软件工程/第二次上机/asmart-2
CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机
$ cd asmart-2

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(master)
$ git fetch
From https://gitee.com/aggshsjs/asmart-2
* [new branch]      feature-exercise-19373073 -> origin/feature-exercise-193730
73
* [new branch]      feature-exercise-19373484 -> origin/feature-exercise-193734
84
* [new branch]      feature-exercise-19373486 -> origin/feature-exercise-193734
86

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(master)
$ git checkout dev
Switched to a new branch 'dev'
Branch 'dev' set up to track remote branch 'dev' from 'origin'.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git merge dev origin.dev
merge: origin.dev - not something we can merge

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git merge dev origin.dev
merge: origin.dev - not something we can merge

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git merge dev origin/dev
Already up to date.

```

(5)

```

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (mast
er)
$ git branch
* master

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (mast
er)
$ git checkout -b dev origin/dev
Switched to a new branch 'dev'
Branch 'dev' set up to track remote branch 'dev' from 'origin'.

```

4. 远程仓库上以 dev 分支为基础，为各个组员创建 feature-exercise-学号 分支，各组员创建本地 feature-exercise-学号 分支，同步远程代码仓库，在本地 feature-exercise-学号 分支添加 function\_学号.py 文件（各组员在自己的分支修改），上传本地改动至远程仓库：

```
print('My student_id: 学号')
```

分支列表的截图：



各小组成员创建本地分支，并同步远程代码仓库的控制台截图：

(1) 组员 1:

```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git fetch
From https://gitee.com/aggshsjs/asmart-2
* [new branch]      feature-exercise-19373073 -> origin/feature-exercise-19373073
* [new branch]      feature-exercise-19373076 -> origin/feature-exercise-19373076
* [new branch]      feature-exercise-19373574 -> origin/feature-exercise-19373574

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git checkout -b feature-exercise-19373076 origin/feature-exercise-19373076
Switched to a new branch 'feature-exercise-19373076'
Branch 'feature-exercise-19373076' set up to track remote branch 'feature-exercise-19373076' from 'origin'.
```

(2)

```
MINGW64:/e/新建文件夹/asmart-2
86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ git add funtion_19373484.py

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ git commit -m "zancun"
[feature-exercise-19373484 667b2a7] zancun
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 funtion_19373484.py

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 310 bytes | 155.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
23d01b6..667b2a7 feature-exercise-19373484 -> feature-exercise-19373484

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$
```

(3)

```
MINGW64:/c/Users/CharlotFirth/Desktop/2021春/软件工程/第二次上机/asmart-2
CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git merge dev origin/dev
Already up to date.

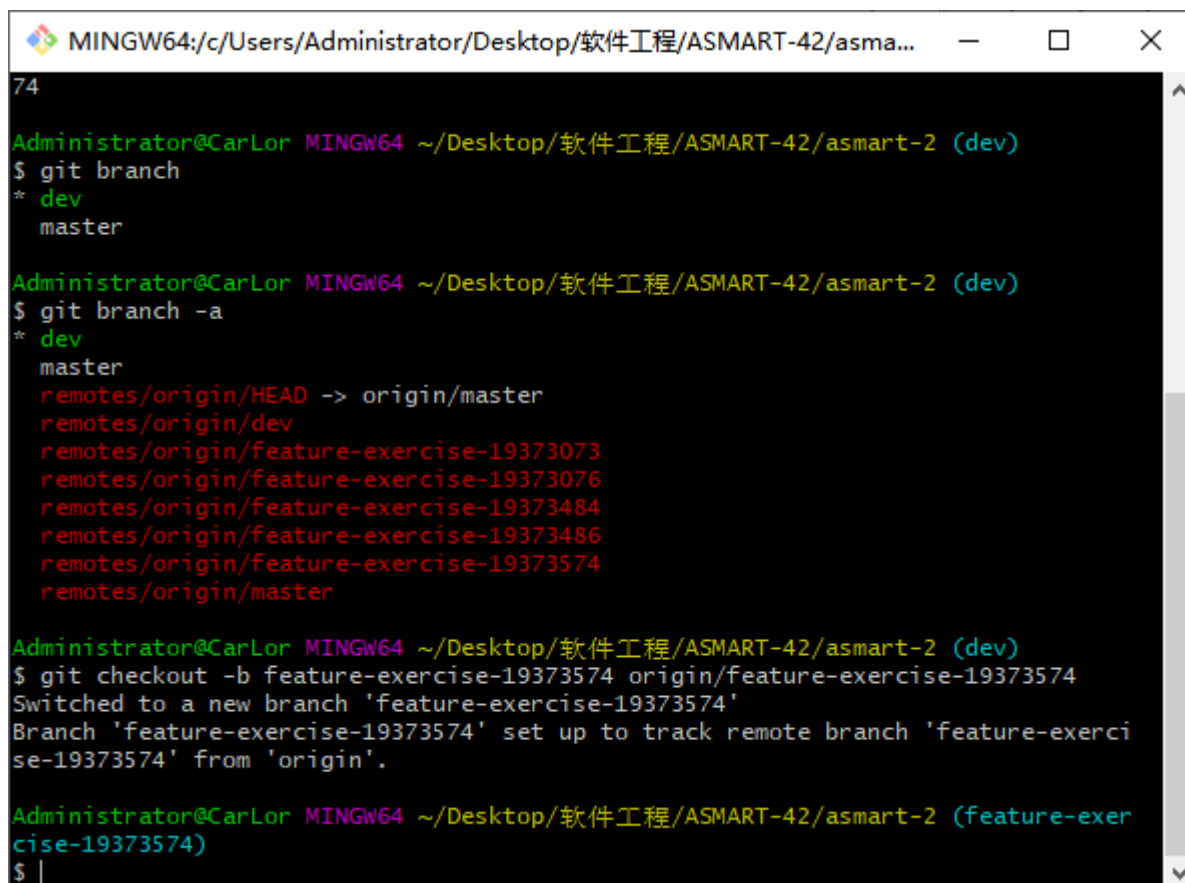
CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git checkout -b dev origin/dev
fatal: A branch named 'dev' already exists.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git fetch
From https://gitee.com/aggshsjs/asmart-2
e539677..23d01b6 feature-exercise-19373073 -> origin/feature-exercise-19373073
* [new branch] feature-exercise-19373076 -> origin/feature-exercise-19373076
* [new branch] feature-exercise-19373574 -> origin/feature-exercise-19373574

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git checkout -b feature-exercise-19373073 origin/feature-exercise-19373073
Switched to a new branch 'feature-exercise-19373073'
Branch 'feature-exercise-19373073' set up to track remote branch 'feature-exercise-19373073' from 'origin'.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (feature-exercise-19373073)
$
```

(4)



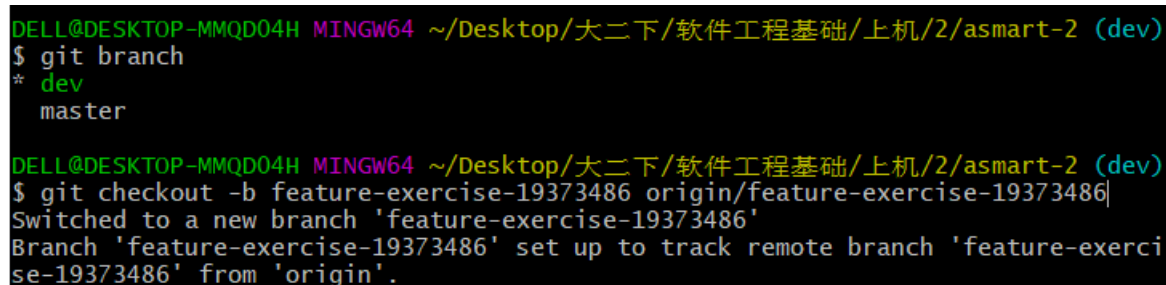
```
Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git branch
* dev
  master

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git branch -a
* dev
  master
  remotes/origin/HEAD -> origin/master
  remotes/origin/dev
  remotes/origin/feature-exercise-19373073
  remotes/origin/feature-exercise-19373076
  remotes/origin/feature-exercise-19373484
  remotes/origin/feature-exercise-19373486
  remotes/origin/feature-exercise-19373574
  remotes/origin/master

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git checkout -b feature-exercise-19373574 origin/feature-exercise-19373574
Switched to a new branch 'feature-exercise-19373574'
Branch 'feature-exercise-19373574' set up to track remote branch 'feature-exercise-19373574' from 'origin'.

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exercise-19373574)
$ |
```

(5)

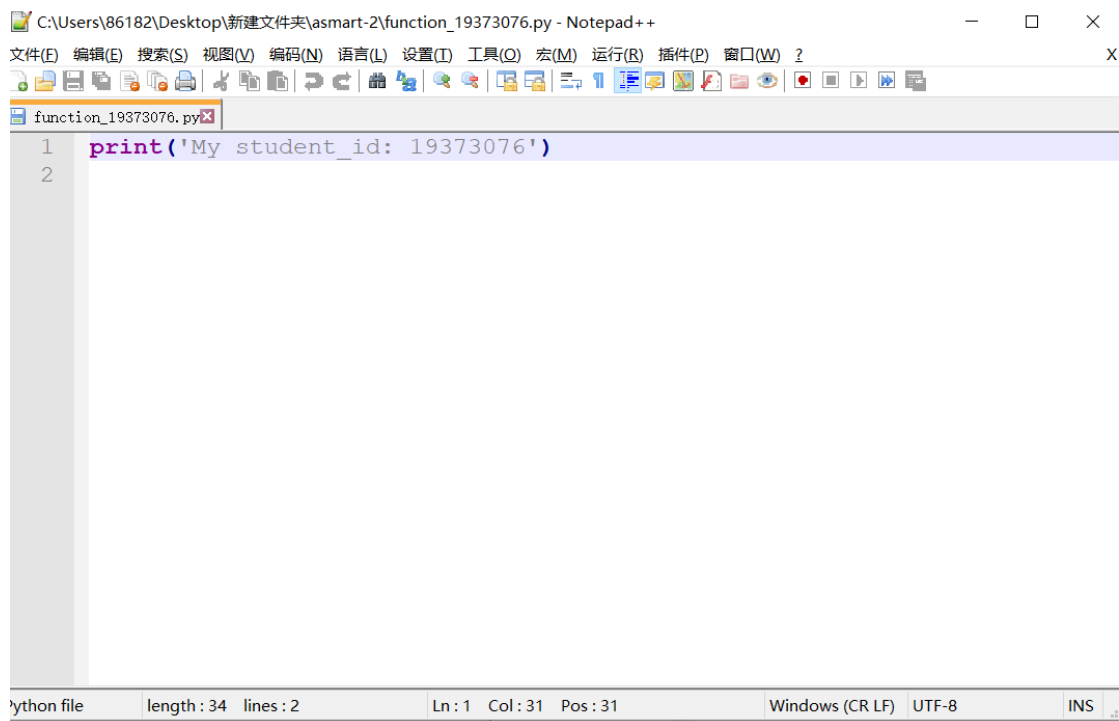


```
DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git branch
* dev
  master

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git checkout -b feature-exercise-19373486 origin/feature-exercise-19373486
Switched to a new branch 'feature-exercise-19373486'
Branch 'feature-exercise-19373486' set up to track remote branch 'feature-exercise-19373486' from 'origin'.
```

各小组成员的 function\_学号.py 截图:

(1) 组员 1:



C:\Users\86182\Desktop\新建文件夹\asmar-2\function\_19373076.py - Notepad++

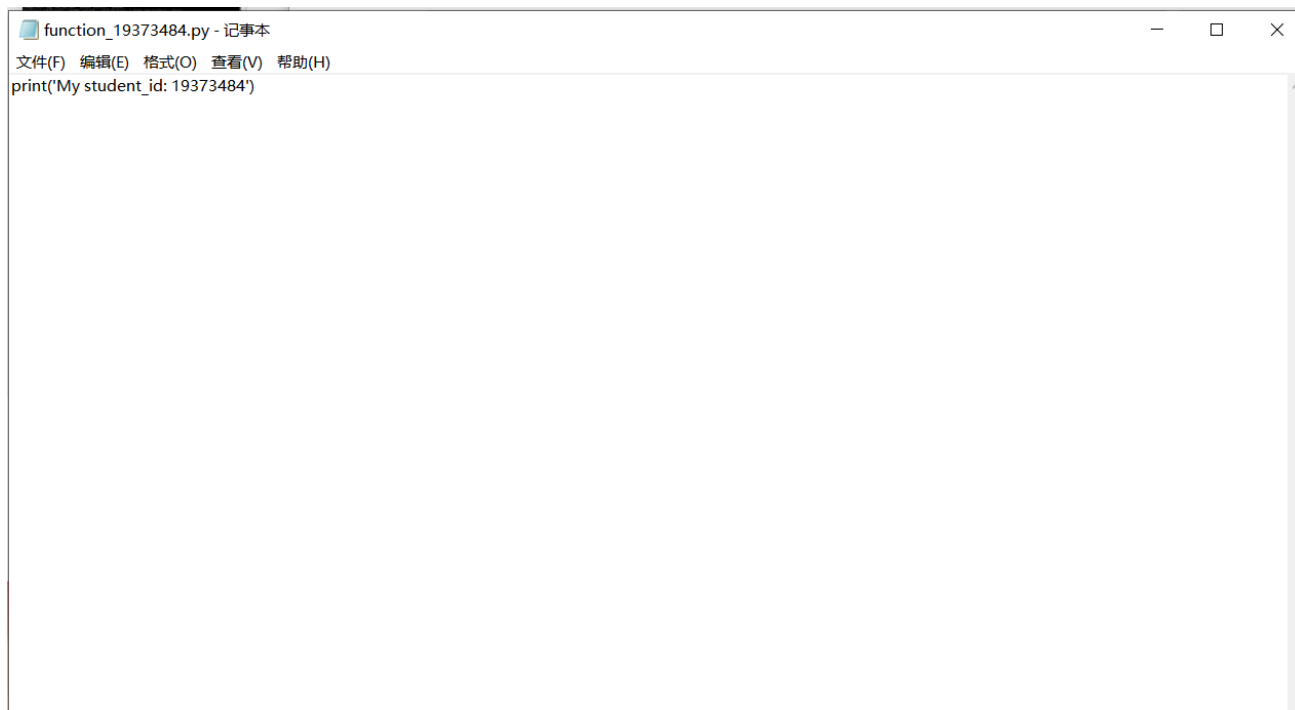
文件(E) 编辑(E) 搜索(S) 视图(V) 编码(N) 语言(L) 设置(I) 工具(O) 宏(M) 运行(R) 插件(P) 窗口(W) ?

function\_19373076.py

```
1 print('My student_id: 19373076')
```

python file length: 34 lines: 2 Ln: 1 Col: 31 Pos: 31 Windows (CR LF) UTF-8 INS

(2) ...



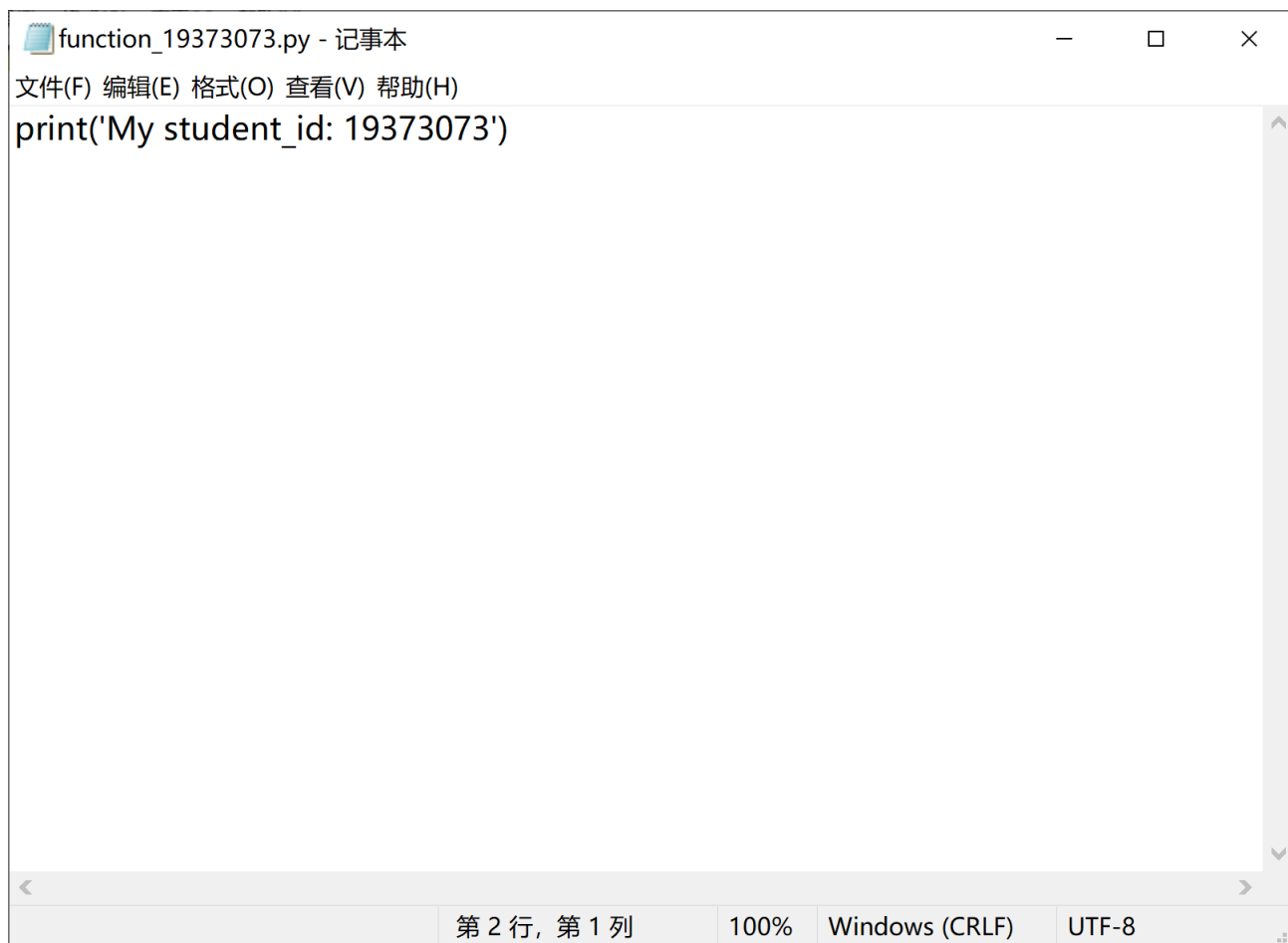
function\_19373484.py - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
print('My student_id: 19373484')
```

(3)





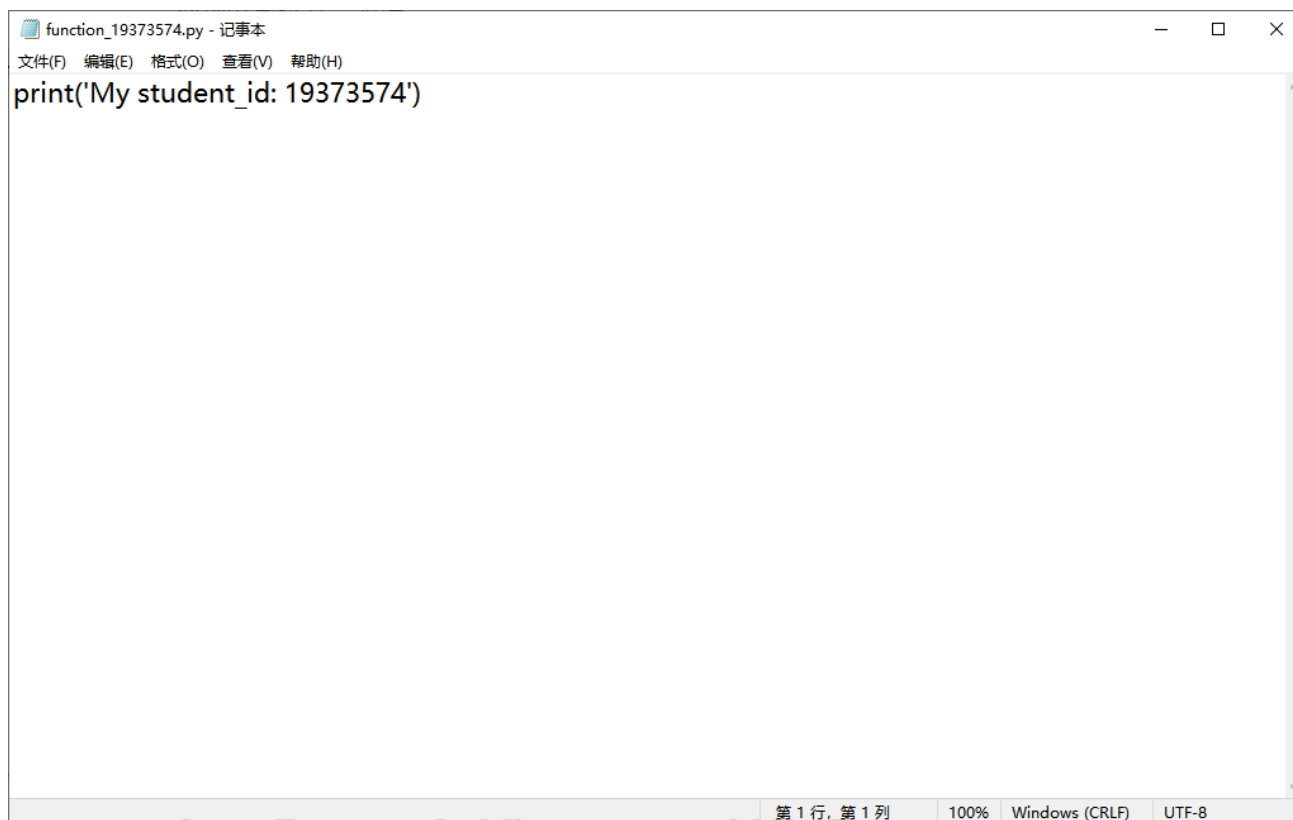
function\_19373073.py - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
print('My student_id: 19373073')
```

第 2 行, 第 1 列 100% Windows (CRLF) UTF-8

(4)



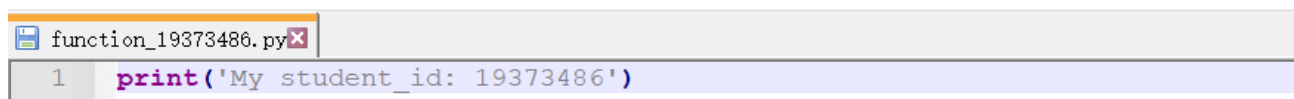
function\_19373574.py - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
print('My student_id: 19373574')
```

第 1 行, 第 1 列 100% Windows (CRLF) UTF-8

(5)



```
function_19373486.py
1 print('My student_id: 19373486')
```

各小组成员上传本地改动到远程仓库的截图：

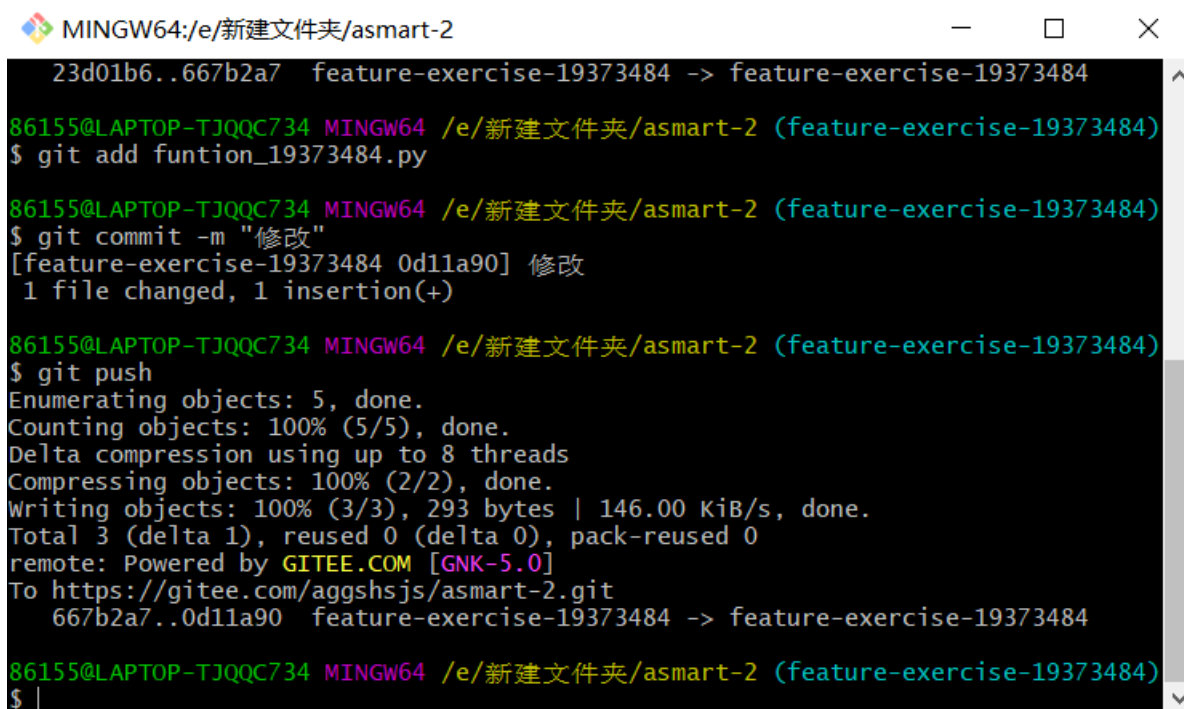
(1) 组员 1:

```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git add function_19373076.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git commit -m "修改py文件"
[feature-exercise-19373076 66f6c9c] 修改py文件
1 file changed, 1 insertion(+)
create mode 100644 function_19373076.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 415 bytes | 415.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
23d01b6..66f6c9c feature-exercise-19373076 -> feature-exercise-19373076
```

(2) ...

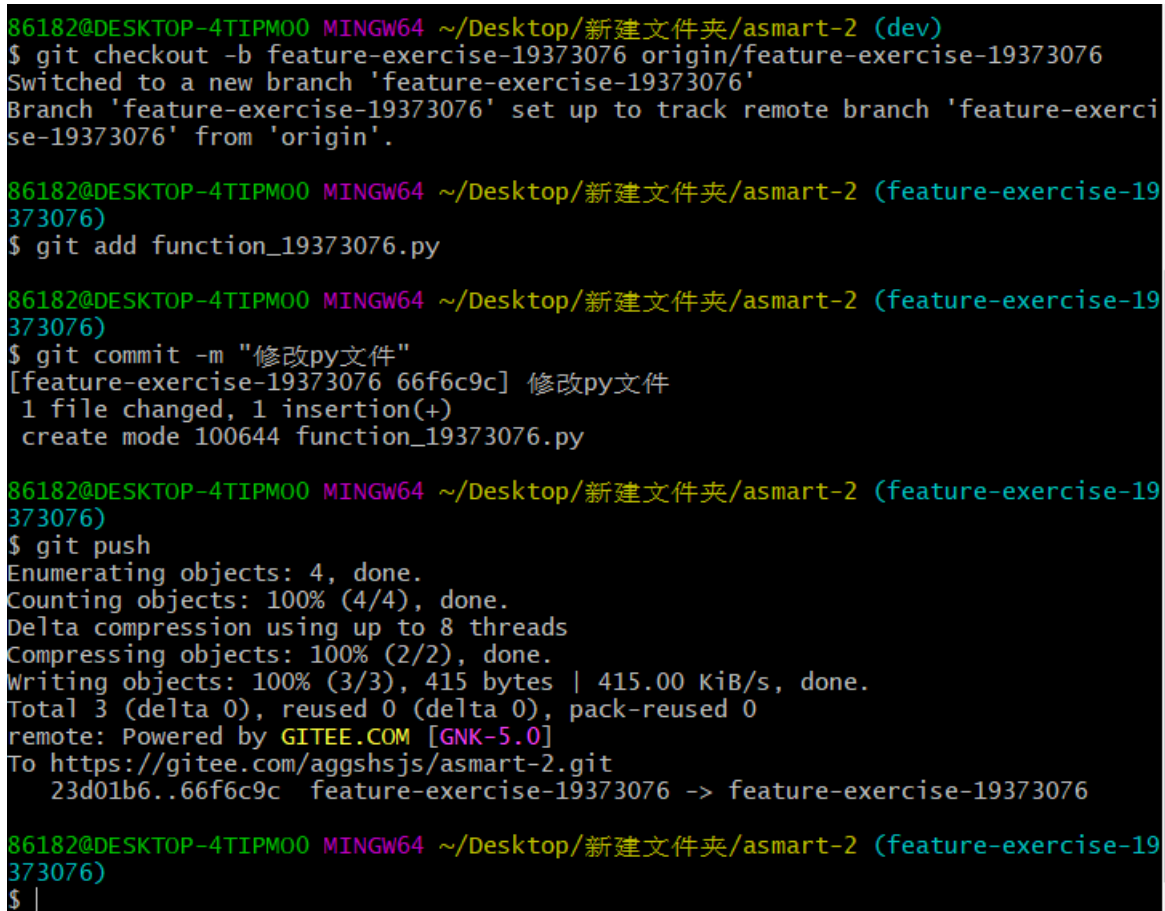


```

MINGW64:/e/新建文件夹/asmart-2
23d01b6..667b2a7 feature-exercise-19373484 -> feature-exercise-19373484
86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ git add fution_19373484.py
86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ git commit -m "修改"
[feature-exercise-19373484 0d11a90] 修改
1 file changed, 1 insertion(+)
86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ git push
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), 293 bytes | 146.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
667b2a7..0d11a90 feature-exercise-19373484 -> feature-exercise-19373484
86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (feature-exercise-19373484)
$ |

```

(3)



```

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git checkout -b feature-exercise-19373076 origin/feature-exercise-19373076
Switched to a new branch 'feature-exercise-19373076'
Branch 'feature-exercise-19373076' set up to track remote branch 'feature-exercise-19373076' from 'origin'.
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git add function_19373076.py
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git commit -m "修改py文件"
[feature-exercise-19373076 66f6c9c] 修改py文件
1 file changed, 1 insertion(+)
create mode 100644 function_19373076.py
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 415 bytes | 415.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
23d01b6..66f6c9c feature-exercise-19373076 -> feature-exercise-19373076
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ |

```

(4)

```

MINGW64:/c/Users/Administrator/Desktop/软件工程/ASmart-42/asmart-2
cise-19373574)
$ git branch
  dev
* feature-exercise-19373574
  master

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exercise-19373574)
$ git add function_19373574.py

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exercise-19373574)
$ git commit -m "暂存"
[feature-exercise-19373574 d2c2c27] 暂存
 1 file changed, 1 insertion(+)
 create mode 100644 function_19373574.py

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exercise-19373574)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 381 bytes | 381.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
   23d01b6..d2c2c27  feature-exercise-19373574 -> feature-exercise-19373574

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exercise-19373574)
$

```

(5)

```

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git add function_19373486.py

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git commit -m "19373486修改py文件"
[feature-exercise-19373486 7f76f03] 19373486修改py文件
 1 file changed, 1 insertion(+)
 create mode 100644 function_19373486.py

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 396 bytes | 396.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
   23d01b6..7f76f03  feature-exercise-19373486 -> feature-exercise-19373486

```

5. 各组员在本地将 feature-exercise-学号 合并到 dev 分支。

6. 上传到远程版本库 dev 分支。

各小组成员步骤 5 和步骤 6 截图：

(1) 组员 1:

```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git merge feature-exercise-19373076
Updating 23d01b6..66f6c9c
Fast-forward
 function_19373076.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 function_19373076.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
 ! [rejected]        dev -> dev (fetch first)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.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 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.

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 8 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (8/8), 858 bytes | 27.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
 23d01b6..a28d1d7 dev -> origin/dev
 23d01b6..edf7494 feature-exercise-19373073 -> origin/feature-exercise-19373073
 23d01b6..d2c2c27 feature-exercise-19373574 -> origin/feature-exercise-19373574
Merge made by the 'recursive' strategy.
 function_19373073.py | 1 +
 function_19373574.py | 1 +
 2 files changed, 2 insertions(+)
 create mode 100644 function_19373073.py
 create mode 100644 function_19373574.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 338 bytes | 338.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 a28d1d7..d972872 dev -> dev
```

(2) ...

```
MINGW64:/e/新建文件夹/asmart-2
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ git merge dev feature-exercise-19373484
Updating 23d01b6..0d11a90
Fast-forward
 funtion_19373484.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 funtion_19373484.py

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
 ! [rejected]        dev -> dev (fetch first)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.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 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.

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ git pu|
```

```
MINGW64:/e/新建文件夹/asmart-2

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 335 bytes | 167.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 2db25ef..d39a21d dev -> dev

86155@LAPTOP-TJQQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$
```

(3)

```
MINGW64:/c/Users/CharlotFirth/Desktop/2021春/软件工程/第二次上机/asmart-2 - □ ×
23d01b6..edf7494 feature-exercise-19373073 -> feature-exercise-19373073
CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (feature-exercise-19373073)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git merge feature-exercise-19373073
Updating 23d01b6..edf7494
Fast-forward
 function_19373073.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 function_19373073.py

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
 ! [rejected]        dev -> dev (fetch first)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.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 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.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 7, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 643 bytes | 25.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
 23d01b6..d2c2c27 dev -> origin/dev
 23d01b6..66f6c9c feature-exercise-19373076 -> origin/feature-exercise-19373076
 23d01b6..d2c2c27 feature-exercise-19373574 -> origin/feature-exercise-19373574
Merge made by the 'recursive' strategy.
 function_19373574.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 function_19373574.py

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 335 bytes | 335.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 d2c2c27..a28d1d7 dev -> dev

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$
```

(4)



```

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exercise-19373574)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git merge dev feature-exercise-19373574
Updating 23d01b6..d2c2c27
Fast-forward
 function_19373574.py | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 function_19373574.py

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 23d01b6..d2c2c27 dev -> dev

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$

```

(5)

```

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git merge feature-exercise-19373486
Merge made by the 'recursive' strategy.
 run.py | 2 +-
 1 file changed, 1 insertion(+), 1 deletion(-)

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git push
Enumerating objects: 1, done.
Counting objects: 100% (1/1), done.
Writing objects: 100% (1/1), 234 bytes | 234.00 KiB/s, done.
Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 52f8807..b46bb0a dev -> dev

```

7. 各组员同步远程更新，确保此时内容为最新内容。

各小组成员步骤 7 截图：

(1) 组员 1：



```

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 22 (delta 10), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (22/22), 2.15 KiB | 33.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
   d972872..66409ee dev -> origin/dev
   23d01b6..76666a4 feature-exercise-19373484 -> origin/feature-exercise-19373484
   23d01b6..7f76f03 feature-exercise-19373486 -> origin/feature-exercise-19373486
* [new branch] release -> origin/release
Updating d972872..66409ee
Fast-forward
 function_19373484.py | 1 +
 function_19373486.py | 1 +
 run.py               | 2 ++
3 files changed, 4 insertions(+)
create mode 100644 function_19373484.py
create mode 100644 function_19373486.py

```

(2) ...

```

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (25/25), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 22 (delta 10), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (22/22), 2.15 KiB | 33.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
   d972872..66409ee dev -> origin/dev
   23d01b6..76666a4 feature-exercise-19373484 -> origin/feature-exercise-19373484
   23d01b6..7f76f03 feature-exercise-19373486 -> origin/feature-exercise-19373486
* [new branch] release -> origin/release
Updating d972872..66409ee
Fast-forward
 function_19373484.py | 1 +
 function_19373486.py | 1 +
 run.py               | 2 ++
3 files changed, 4 insertions(+)
create mode 100644 function_19373484.py
create mode 100644 function_19373486.py

```

(3)

```

charlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2 (dev)
$ git pull
Updating 2db25ef..66409ee
Fast-forward
 function_19373484.py | 1 +
 run.py               | 2 ++
2 files changed, 3 insertions(+)
create mode 100644 function_19373484.py

```

(4)

```

MINGW64:/c/Users/Administrator/Desktop/软件工程/SMART-42/asmart-2
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 23d01b6..d2c2c27 dev -> dev

Administrator@CarLor MINGW64 ~/Desktop/软件工程/SMART-42/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 36, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (28/28), done.
remote: Total 32 (delta 13), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (32/32), 3.22 KiB | 14.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
   d2c2c27..66409ee dev -> origin/dev
   23d01b6..edf7494 feature-exercise-19373073 -> origin/feature-exercise-19373073
   23d01b6..66f6c9c feature-exercise-19373076 -> origin/feature-exercise-19373076
   23d01b6..76666a4 feature-exercise-19373484 -> origin/feature-exercise-19373484
   23d01b6..7f76f03 feature-exercise-19373486 -> origin/feature-exercise-19373486
* [new branch]      release -> origin/release
Updating d2c2c27..66409ee
Fast-forward
 function_19373073.py | 1 +
 function_19373076.py | 1 +
 function_19373484.py | 1 +
 function_19373486.py | 1 +
 run.py                | 2 ++
5 files changed, 6 insertions(+)
create mode 100644 function_19373073.py
create mode 100644 function_19373076.py
create mode 100644 function_19373484.py
create mode 100644 function_19373486.py

Administrator@CarLor MINGW64 ~/Desktop/软件工程/SMART-42/asmart-2 (dev)
$

```

(5)

```

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 254 bytes | 9.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
   b46bb0a..20fcf9a dev -> origin/dev
Updating b46bb0a..20fcf9a
Fast-forward
 run.py | 2 --
1 file changed, 2 deletions(-)

```

```
DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git checkout feature-exercise-19373486
Switched to branch 'feature-exercise-19373486'
Your branch is up to date with 'origin/feature-exercise-19373486'.

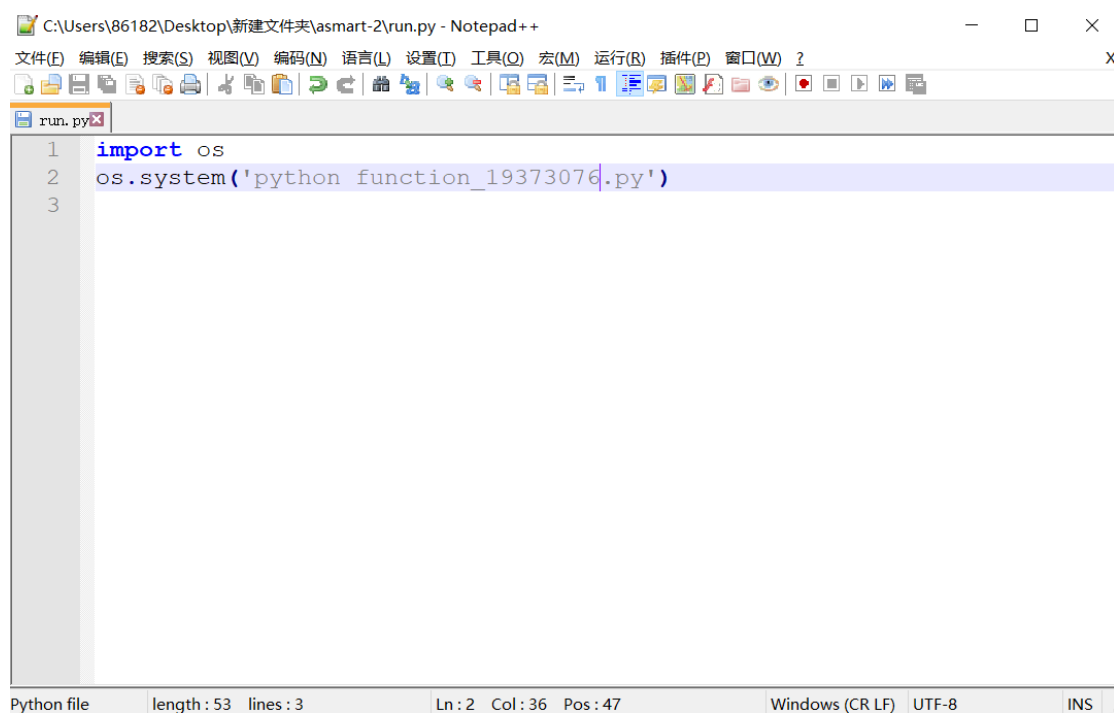
DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 253 bytes | 19.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
   8a838e3..a2d0731  feature-exercise-19373486 -> origin/feature-exercise-19373486
Updating 8a838e3..a2d0731
Fast-forward
 run.py | 2 --
 1 file changed, 2 deletions(-)
```

8. 各个组员将本地 feature-exercise-学号 分支的 run.py 修改为:

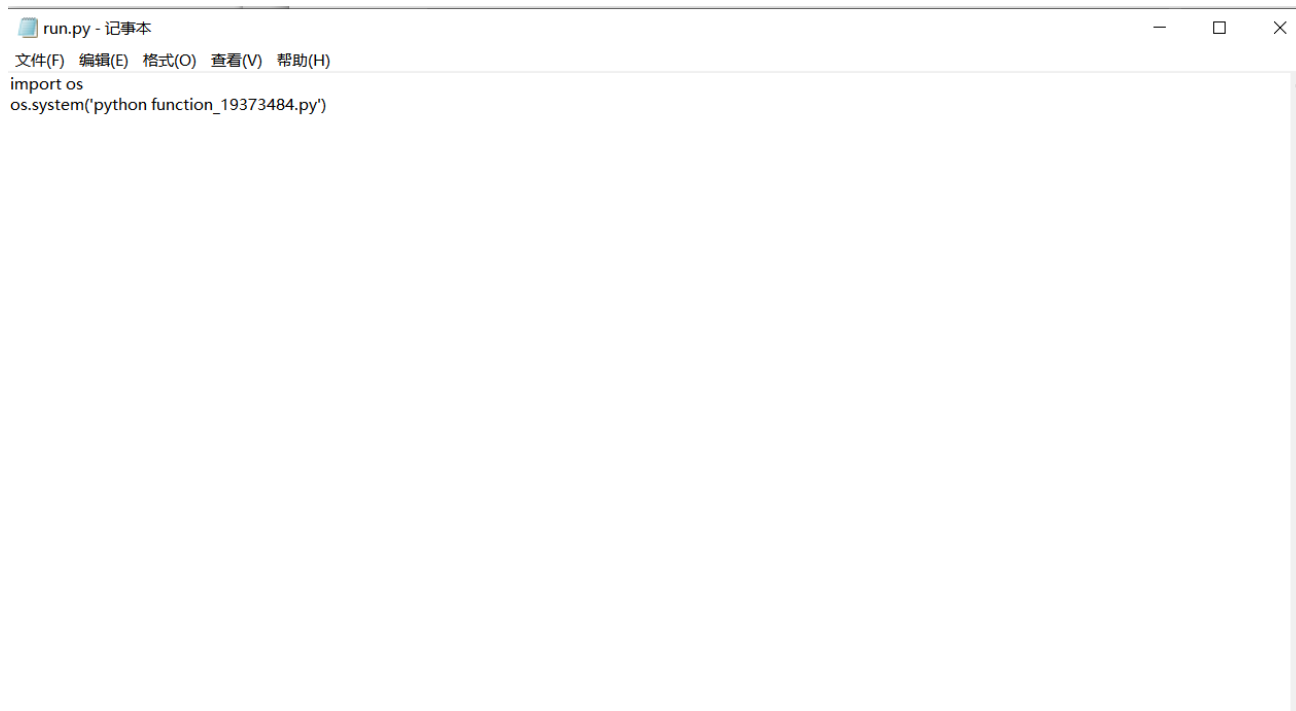
```
import os
os.system('python function_学号')
```

各小组成员 run.py 内容的截图:

(1) 组员 1:



(2) ...



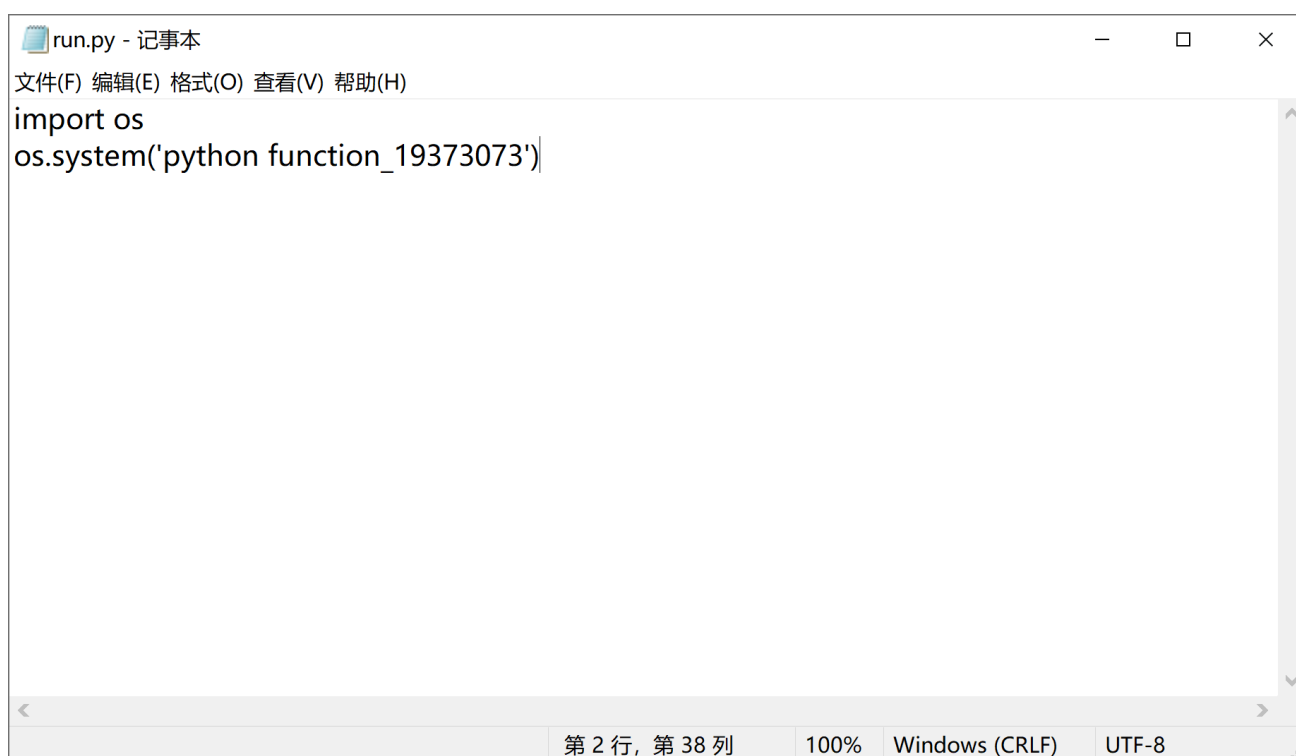
run.py - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
import os
os.system('python function_19373484.py')
```

第 2 行, 第 38 列 100% Windows (CRLF) UTF-8

(3)



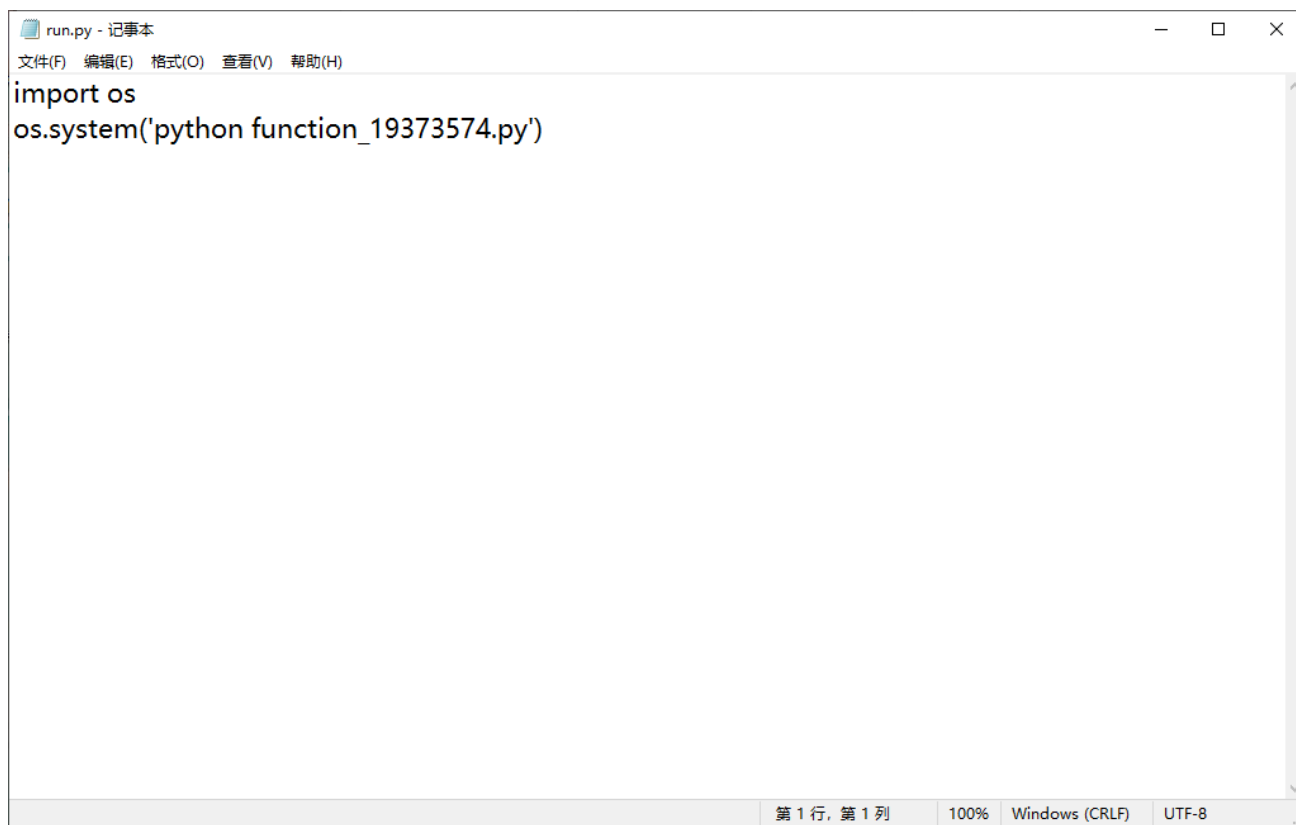
run.py - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```
import os
os.system('python function_19373073')
```

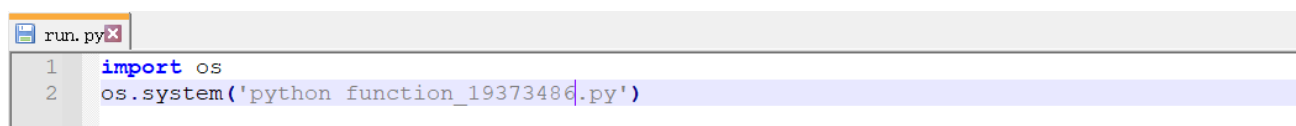
第 2 行, 第 38 列 100% Windows (CRLF) UTF-8

(4)



```
run.py - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
import os
os.system('python function_19373574.py')
第 1 行, 第 1 列 100% Windows (CRLF) UTF-8
```

(5)



```
run.py
1 import os
2 os.system('python function_1937348d.py')
第 1 行, 第 1 列 100% Windows (CRLF) UTF-8
```

9. 各组员在本地将 feature-exercise-学号 合并到 dev 分支。

各小组成员步骤 9 截图：

(1) 组员 1:

```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git checkout dev
error: Your local changes to the following files would be overwritten by checkout:
      run.py
Please commit your changes or stash them before you switch branches.
Aborting

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git add run.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git commit -m "修改run.py文件"
[feature-exercise-19373076 dc7fbf4] 修改run.py文件
1 file changed, 2 insertions(+)

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (feature-exercise-19373076)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git merge feature-exercise-19373076
Auto-merging run.py
CONFLICT (content): Merge conflict in run.py
Automatic merge failed; fix conflicts and then commit the result.

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev|MERGING)
$ |
```

(2) ...

```
86155@LAPTOP-TJQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ git push
fatal: The current branch dev has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin dev

86155@LAPTOP-TJQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ git merge feature-exercise-19373484
Already up to date.

86155@LAPTOP-TJQC734 MINGW64 /e/新建文件夹/asmart-2 (dev)
$ |
```

(3)

```
MINGW64:/c/Users/CharlotFirth/Desktop/2021春/软件工程/第二次上机/as...
CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(feature-exercise-19373073)
$ git add run.py

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(feature-exercise-19373073)
$ git commit -m "19373073修改run"
On branch feature-exercise-19373073
Your branch is ahead of 'origin/feature-exercise-19373073' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(feature-exercise-19373073)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git merge feature-exercise-19373073
Auto-merging run.py
CONFLICT (content): Merge conflict in run.py
Automatic merge failed; fix conflicts and then commit the result.

CharlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev|MERGING)
$
```

(4)

```
Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (feature-exer
cise-19373574)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git merge feature-exercise-19373574
Auto-merging run.py
CONFLICT (content): Merge conflict in run.py
Automatic merge failed; fix conflicts and then commit the result.
```

(5)

```

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git add run.py

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git commit -m "19373486修改run"
[feature-exercise-19373486 f0b181a] 19373486修改run
1 file changed, 2 insertions(+)

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (feature-exercise-19373486)
$ git checkout dev
Switched to branch 'dev'
Your branch is up to date with 'origin/dev'.

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git merge feature-exercise-19373486
Auto-merging run.py
CONFLICT (content): Merge conflict in run.py
Automatic merge failed; fix conflicts and then commit the result.

```

10. 等所有组员结束上一步骤后，先组长再组员依次上传到远程 dev 分支，冲突时一律保留组长的修改。

各小组成员步骤 10 截图：

(1) 组员 1:

```

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
! [rejected]        dev -> dev (fetch first)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.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 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.

Administrator@CarLor MINGW64 ~/Desktop/软件工程/ASmart-42/asmart-2 (dev)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 309 bytes | 12.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
  5431861..94cc851  dev      -> origin/dev
Updating 5431861..94cc851
Fast-forward
 run.py | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```

(2) ...



```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev|MERGING)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
 ! [rejected]        dev -> dev (non-fast-forward)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev|MERGING)
$ git add run.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev|MERGING)
$ git commit -m "修改run.py文件"
[dev a089733] 修改run.py文件

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git push
Enumerating objects: 15, done.
Counting objects: 100% (15/15), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 962 bytes | 962.00 KiB/s, done.
Total 9 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 d290859..a089733 dev -> dev
```

(3)

```

MINGW64:/c/Users/CharlotFirth/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git merge feature-exercise-19373073
Already up to date.

charlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
! [rejected]        dev -> dev (fetch first)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.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 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.

charlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2
(dev)
$ git pull
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 596 bytes | 33.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
  71a1296..3dfcc14  dev      -> origin/dev
Updating 71a1296..3dfcc14
Fast-forward
 run.py | 4 ++++
 1 file changed, 4 insertions(+)

charlotFirth@CharlotFirth MINGW64 ~/Desktop/2021春/软件工程/第二次上机/asmart-2

```

(4)

```

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev|
MERGING)
$ git add run.py

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev|
MERGING)
$ git commit -m "m"
[dev 38c69fc] m

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git push
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (11/11), 1.16 KiB | 296.00 KiB/s, done.
Total 11 (delta 4), reused 3 (delta 2), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
  4ddc299..38c69fc  dev -> dev

```

(5)

```
DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev|MERGING)
$ git push
To https://gitee.com/aggshsjs/asmart-2.git
 ! [rejected]        dev -> dev (fetch first)
error: failed to push some refs to 'https://gitee.com/aggshsjs/asmart-2.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 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.

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev|MERGING)
$ git pull
error: Pulling is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.

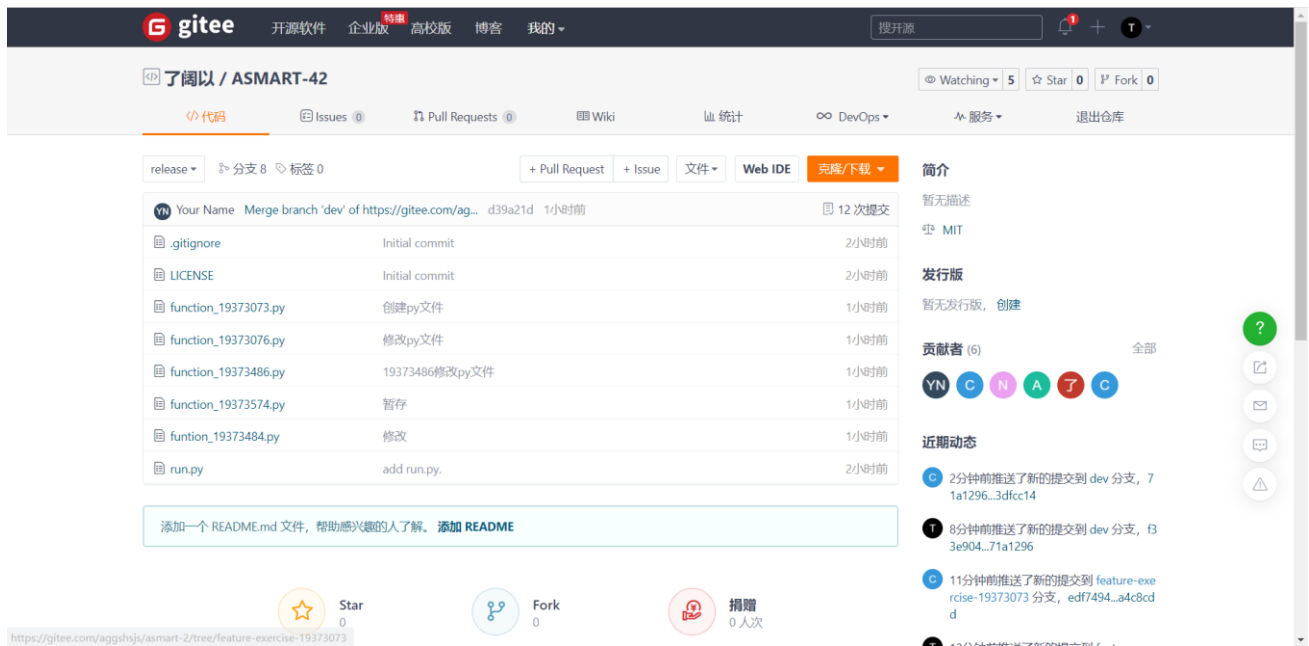
DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev|MERGING)
$ git add run.py

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev|MERGING)
$ git commit -m "m"
[dev 38c69fc] m

DELL@DESKTOP-MMQD04H MINGW64 ~/Desktop/大二下/软件工程基础/上机/2/asmart-2 (dev)
$ git push
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (11/11), 1.16 KiB | 296.00 KiB/s, done.
Total 11 (delta 4), reused 3 (delta 2), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
 4ddc299..38c69fc dev -> dev
```

11. 远程仓库上以 dev 分支为基础，创建 release 分支。

release 分支主页截图：



12. 同步远程仓库至本地仓库。

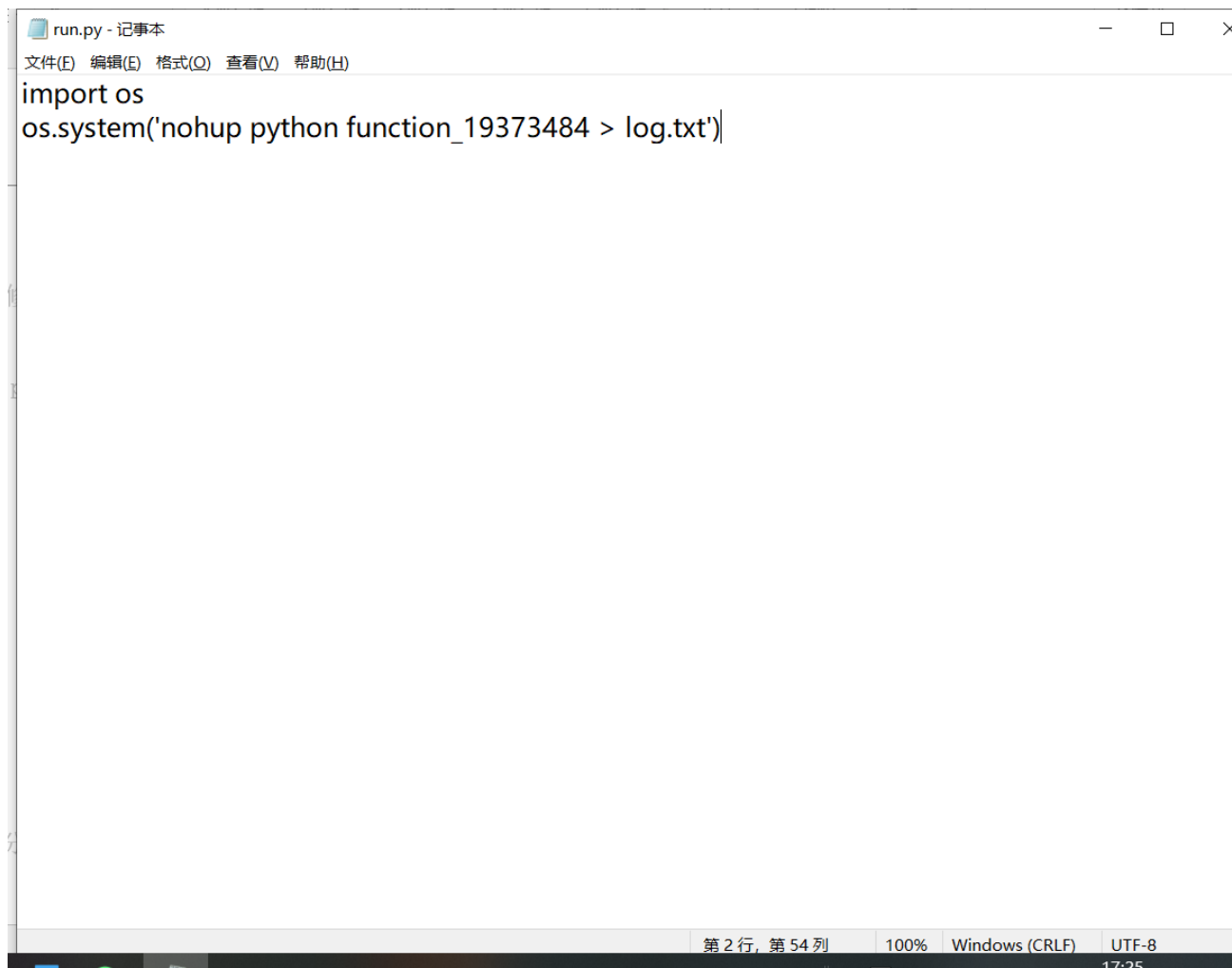
步骤 12 的截图：

```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git pull
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), 596 bytes | 59.00 KiB/s, done.
From https://gitee.com/aggshsjs/asmart-2
  71a1296..3dfcc14 dev    -> origin/dev
Already up to date.
```

13. 在 release 分支将 run.py 修改为以下内容，并上传到远程 release 分支：

```
import os
os.system('nohup python function_组长的学号 > log.txt')
```

run.py 的截图：



```
run.py - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
import os
os.system('nohup python function_19373484 > log.txt')
第 2 行, 第 54 列 100% Windows (CRLF) UTF-8 17:25
```

上传 run.py 的截图:

```
86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git add run.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git commit -m "修改release中的run.py"
[release 67c4433] 修改release中的run.py
1 file changed, 2 insertions(+)

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 359 bytes | 359.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggshsjs/asmart-2.git
d39a21d..67c4433 release -> release

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git checkout dev
Switched to branch 'dev'
Your branch is behind 'origin/dev' by 4 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git merge release
Auto-merging run.py
CONFLICT (content): Merge conflict in run.py
Automatic merge failed; fix conflicts and then commit the result.
```

#### 14. 合并 release 分支到 dev 分支

合并过程截图：

```

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git add run.py

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git commit -m "修改release中的run.py"
[release 67c4433] 修改release中的run.py
1 file changed, 2 insertions(+)

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 359 bytes | 359.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Powered by GITEE.COM [GNK-5.0]
To https://gitee.com/aggsjs/asmart-2.git
d39a21d..67c4433 release -> release

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (release)
$ git checkout dev
Switched to branch 'dev'
Your branch is behind 'origin/dev' by 4 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (dev)
$ git merge release
Auto-merging run.py
CONFLICT (content): Merge conflict in run.py
Automatic merge failed; fix conflicts and then commit the result.

```

15. 合并 release 分支到 master/main 分支。

合并过程截图：

```

86182@DESKTOP-4TIPM00 MINGW64 ~/Desktop/新建文件夹/asmart-2 (master)
$ git merge release
Updating e539677..67c4433
Fast-forward
 function_19373073.py | 1 +
 function_19373076.py | 1 +
 function_19373486.py | 1 +
 function_19373574.py | 1 +
 function_19373484.py | 1 +
 run.py                | 2 ++
6 files changed, 7 insertions(+)
create mode 100644 function_19373073.py
create mode 100644 function_19373076.py
create mode 100644 function_19373486.py
create mode 100644 function_19373574.py
create mode 100644 function_19373484.py
create mode 100644 run.py

```