- 1. Exercise 0.1
 2. Exercise 0.2
 3. Exercise 0.3
 4. Exercise 0.4
 5. Exercise 0.5
 6. Exercise 0.6
- 1. Exercise 0.1

• 一些基本命令

```
jovyan@05d57a817610: $ echo "Hello Linux"

Hello Linux
jovyan@05d57a817610: $ bash -version

GNU bash, version 4.4.20(1)-release (x86_64-pc-linux-gnu)

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There is NO WARRANTY, to the extent permitted by law.
jovyan@05d57a817610: $ ls

1034180228-lab contents.pdf guide-book.pdf learnGit preface.pdf test.py
jovyan@05d57a817610: $ \|
```

2. Exercise 0.2

• 重定向>

```
jovyan@05d57a817610: $ echo first
first
jovyan@05d57a817610: $ echo second >output.txt
jovyan@05d57a817610: $ echo third > output.txt
jovyan@05d57a817610: $ echo forth >> output.txt
jovyan@05d57a817610: $ cat output.txt
third
forth
jovyan@05d57a817610: $
```

3. Exercise 0.3

```
jovyan@05d57a817610: "/learnGit$ touch README.txt
jovyan@05d57a817610: "/learnGit$ git status > Untracked.txt
jovyan@05d57a817610: "/learnGit$ vim README.txt
jovyan@05d57a817610: "/learnGit$ git add README.txt
jovyan@05d57a817610: "/learnGit$ git status > Stage.txt
jovyan@05d57a817610: "/learnGit$ git commit -m "我的学号:1034180228"
[master (root-commit) 947a64f] 我的学号:1034180228
 1 file changed, 1 insertion(+)
create mode 100644 README.txt
jovyan@05d57a817610: "/learnGit$ cat Untracked.txt
On branch master
No commits yet
Untracked files:
   (use "git add <file>..." to include in what will be committed)
          README. txt
          Untracked. txt
nothing added to commit but untracked files present (use "git add" to track)
jovyan@05d57a817610: "/learnGit$ cat Stage.txt
On branch master
No commits yet
Changes to be committed:
   (use "git rm --cached (file)..." to unstage)
          new file:
                         README. txt
Untracked files:
   (use "git add <file>..." to include in what will be committed)
          Stage.txt
          Untracked. txt
jovyan@05d57a817610: "/learnGit$ vim README.txt
jovyan@05d57a817610: "/learnGit$ git status > Modified.txt
 jovyan@05d57a817610: "/learnGit$ cat Modified.txt
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)
         modified:
                         README. txt
Untracked files:
   (use "git add <file>..." to include in what will be committed)
          Modified.txt
          Stage.txt
          Untracked. txt
no changes added to commit (use "git add" and/or "git commit -a")
jovyan@05d57a817610: "/learnGit$ |
```

```
jovyan@05d57a817610: "/learnGit$ vim README.txt
jovyan@05d57a817610: "/learnGit$ git add README.txt
jovyan@05d57a817610: "/learnGit$ git commit -m "1"
[master 6c728ab] 1
 1 file changed, 1 insertion(+)
jovyan@05d57a817610: "/learnGit$ vim README.txt
jovyan@05d57a817610: "/learnGit$ git add README.txt
jovyan@05d57a817610: "/learnGit$ git commit -m "2"
[master 99c9c54] 2
1 file changed, 1 insertion(+)
jovyan@05d57a817610: "/learnGit$ vim README.txt
jovyan@05d57a817610: "/learnGit$ git add README.txt
jovyan@05d57a817610: "/learnGit$ git commit -m "3"
[master 97767a0] 3
1 file changed, 1 insertion(+)
jovyan@05d57a817610: "/learnGit$ git log
                                            9b6cf860007f3 (HEAD -> master)
commit 97767a00edb07
Author: guapi <chenchuanle6@gmail.com>
          Wed Mar 11 07:13:50 2020 +0000
Date:
commit 99c9c548e6b6c474c8f4175b231998e5c33702c1
Author: guapi <chenchuanle6@gmail.com>
          Wed Mar 11 07:13:29 2020 +0000
     2
Author: guapi <chenchuanle6@gmail.com>
Date: Wed Mar 11 07:12:45 2020 +0000
commit 76ba47f9febaf2a2b633144d729c507e84edb8e9
Author: guapi <chenchuanle6@gmail.com>
          Wed Mar 11 07:11:49 2020 +0000
     Modify
    mit 947a64f8c8613ac5a57390226a5f829c4267aa62
Author: guapi <chenchuanle6@gmail.com>
Date: Wed Mar 11 07:05:15 2020 +0000
     我的学号: 1034180228
jovyan@05d57a817610: "/learnGit$
```

```
jovyan@O5d57a817610:"/learnGit$ git reset --hard HEAD'
HEAD is now at 99c9c54 2
jovyan@05d57a817610: "/learnGit$ git log --oneline
99c9c54 (HEAD -> master) 2
6c728ab 1
76ba47f Modify
947a64f 我的学号:1034180228
jovyan@05d57a817610: "/learnGit$ git reset --hard 6c728ab
HEAD is now at 6c728ab 1
jovyan@05d57a817610: "/learnGit$ git log --oneline
6c728ab (HEAD -> master) 1
76ba47f Modify
947a64f 我的学号:1034180228
jovyan@05d57a817610: "/learnGit$ git reset --hard 97767a
HEAD is now at 97767a0 3
jovyan@05d57a817610: "/learnGit$ git log --oneline
97767a0 (HEAD -> master) 3
99c9c54 2
6c728ab 1
76ba47f Modify
947a64f 我的学号:1034180228
jovyan@05d57a817610: "/learnGit$
```

5. Exercise 0.5

• git branch

```
jovyan@05d57a817610: "/kernel/1034180228-lab$ git branch -a
jovyan@05d57a817610: "/kernel/1034180228-lab$ git branch Test
jovyan@05d57a817610: "/kernel/1034180228-lab$ git checkout Test

Switched to branch 'Test'
jovyan@05d57a817610: "/kernel/1034180228-lab$ vim readme.txt
jovyan@05d57a817610: "/kernel/1034180228-lab$ git add readme.txt
jovyan@05d57a817610: "/kernel/1034180228-lab$ git commit -m "Exercise 0.5 add readme.txt"

[Tost @61bb55] Fyersise 0.5 add readme.txt
 [Test 961bb05] Exercise 0.5 add readme.txt
 1 file changed, 1 insertion(+)
 create mode 100644 readme.txt
 jovyan@05d57a817610: "/kernel/1034180228-lab$ git push origin Test
Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 535 bytes | 535.00 KiB/s, done.
Total 5 (delta 0), reused 1 (delta 0)
To 192.168.100.204:1034180228-lab
* [new branch] Test -> Test
jovyan@05d57a817610: "/kernel/1034180228-lab$ git banch -a
git: 'banch' is not a git command. See 'git --help'.
The most similar command is
              branch
 jovyan@05d57a817610: "/kernel/1034180228-lab$ git branch -a
   lab0
 jovyan@05d57a817610: "/kernel/1034180228-lab$
```

6. Exercise 0.6

• Makefile

```
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ vim fibo.c
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ vim Makefile
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ make
gcc fibo.c -std=c99 -o fibo
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ ./ fibo
bash: ./: Is a directory
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ ./fibo
10
1,1,2,3,5,8,13,21,34,55
jovyan@05d57a817610: "/kernel/1034180228-lab/src$
```

```
jovyan@05d57a817610: "/kernel/1034180228-lab/dst$ cat fibo.c
#include<stdio.h>
#define N 100
int a[N];
/* 0(2<sup>n</sup> ) */
int Fibo(int n) {
        return n \le 2 ? 1: (Fibo(n - 1) + Fibo(n - 2));
/* 0(n) */
int fibo(int n) {
    a[1] = a[2] = 1;
    for (int i = 3; i \le n; i \ne i) a[i] = a[i - 1] + a[i - 2];
    return 0;
int main() {
        int var;
        scanf("%d", &var);
        fibo(var);
        for(int i = 1; i <= var ; ++i ) {
                printf("%d%c",a[i] , i == var ? '\n' : ' ' );
        return 0;
```

• sed 命令

• cp 复制

```
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ cp fibo.c Makefile /home/jovyan/kernel/1034180228
-lab/dst
jovyan@05d57a817610: "/kernel/1034180228-lab/src$ cd sh_test/
jovyan@05d57a817610: "/kernel/1034180228-lab/src/sh_test$ cp hello_os.sh /home/jovyan/kernel/103418
0228-lab/dst/sh_test
jovyan@05d57a817610: "/kernel/1034180228-lab/src/sh_test$ cd ../..
jovyan@05d57a817610: "/kernel/1034180228-lab/dst$ ls
fibo.c Makefile sh_test
jovyan@05d57a817610: "/kernel/1034180228-lab/dst$ cd sh_test/
jovyan@05d57a817610: "/kernel/1034180228-lab/dst$ cd sh_test/
jovyan@05d57a817610: "/kernel/1034180228-lab/dst/sh_test$ ls
hello_os.sh
jovyan@05d57a817610: "/kernel/1034180228-lab/dst/sh_test$ []
```

```
Total O (delta O), reused O (delta O)
remote:
                         BUAA OSLAB AUTOTEST SYSTEM
remote:
                        Copyright (c) BUAA 2015-2019
remote:
remote:
remote:
remote: [ You are changing the branch: refs/heads/lab0. ]
remote:
remote: Autotest: Begin at Sat Mar 14 15:52:11 CST 2020
remote:
remote: warning: remote HEAD refers to nonexistent ref, unable to checkout.
remote:
remote: Switched to a new branch 'lab0'
remote: Branch lab0 set up to track remote branch lab0 from origin.
remote: lab variable value is lab0
remote: [ You have passed bash testcase 1/2 ]
remote: [ You have passed bash testcase 2/2 ]
remote: [ Makefile found.
remote: gcc fibo.c -std=c99 -o fibo
remote: [ fibo found. make passed.
         You have passed fibo testcase 1/3 ]
remote:
remote: [ You have passed fibo testcase 2/3
remote: [ You have passed fibo testcase 3/
remote: [ You got 100 (of 100) this time. Sat Mar 14 15:52:16 CST 2020 ]
remote:
remote:
remote: >>>>> Collecting autotest results >>>>>
remote: Switched to a new branch 'lab0-result'
remote: Branch lab0-result set up to track remote branch lab0-result from origin.
remote: Already up-to-date.
remote: [lab0-result ba53779] Judgement for lab0 at 2020-03-14T15:52:16+0800
remote: 1 file changed, 10 insertions(+)
remote: create mode 100644 log/2020-03-14T15:52:11+0800.log
remote: To git@localhost:1034180228-lab
        df557ea..ba53779 lab0-result -> lab0-result
remote:
remote: Please find the autotest log in lab0-result branch.
remote:
remote: [ Congratulations! You have passed the current lab. ]
remote: Switched to a new branch 'lab1'
remote: Branch lab1 set up to track remote branch lab1 from origin.
remote: [ lab:
To 192.168.100.204:1034180228-lab
+ fc679fe...6622dea lab0 -> lab0 (forced update)
```