

前言：

写文件时用 vim 输入，不要双击打开

问题描述：

answer.txt ↓ （答案正确）

```
1 We have to stand with our North Korean allies.
2 0 1 1 2 3 5
3 0 264
4 10 5
5 ioqpew
6 4 2 1 3 6 5
```

运行却爆炸

```
s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout $ ./bomb answer.txt
Welcome to my fiendish little bomb. You have 6 phases with
which to blow yourself up. Have a nice day!
Phase 1 defused. How about the next one?
That's number 2. Keep going!
Halfway there!
So you got that one. Try this one.
Good work! On to the next...

BOOM!!!
The bomb has blown up.
```

解决方案：

一开始就用 **vim** 输入!!! 不要双击 answer.txt 输入

如果已经出现问题：

1. 关闭 answer.txt
2. 输入 ls -al，很可能存在这个文件

```
s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout $ ls -al
total 134
drwxr-xr-x  3 s10215501450 s10215501450  4096 Oct 18 17:34 .
drwxr-xr-x 72 s10215501450 s10215501450  4096 Oct 17 22:06 ..
-rw-r--r--  1 s10215501450 s10215501450    89 Oct 18 17:34 answer.txt
-rwxr-xr-x  1 s10215501450 s10215501450 31392 Oct 17 22:06 bomb
-rw-r--r--  1 s10215501450 s10215501450  4069 Oct 17 22:06 bomb.c
drwxr-xr-x  2 s10215501450 s10215501450  4096 Oct 18 17:33 .ipynb_checkpoints
-rw-r--r--  1 s10215501450 s10215501450 90972 Oct 17 22:53 my_bomb.txt
```

3. rm -rf .ipynb_checkpoints/ 删除
4. 如还存在其他不认识的文件，如 .answer.txt.swp 等，都删除
5. vim 打开 answer.txt，可先随便输入再删除，重新保存 (esc+:wq) 退出，再运

行，结果通过

```
s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout/ $ ./bomb answer.txt
Welcome to my fiendish little bomb. You have 6 phases with
which to blow yourself up. Have a nice day!
Phase 1 defused. How about the next one?
That's number 2. Keep going!
Halfway there!
So you got that one. Try this one.
Good work! On to the next...
Congratulations! You've defused the bomb!
```

问题分析:

双击打开 answer.txt，写完保存时，没有 EOF，

```
s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout/ $ cat answer.txt
We have to stand with our North Korean allies.
0 1 1 2 3 5
0 264
10 5
ioqpew
4 2 1 3 6 5s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout/ $ cat answer.txt
```

vim 重新保存后，多了 EOF，再输出

```
s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout/ $ cat answer.txt
We have to stand with our North Korean allies.
0 1 1 2 3 5
0 264
10 5
ioqpew
4 2 1 3 6 5
s102155014 @JupyterHub:~/Computer-Systems-Labs/lab3/bomb-handout/ $ vim answer.txt
```

爆炸原因:

文件最后一行缺失 EOF，导致最后读取多了很多空白的内容，炸弹爆炸。

总结:

一定要用 vim!!! 一开始就用 vim 输入!!!