```c
//打印一个文件的内容（为什么不直接用cat？）
#include <stdio.h>
int main(int argc, char* argv[]) {
        char buf[1024] = { 0 };
        FILE* fp = fopen(argv[1],"r");
        if (argc < 2){
                printf("please input source file!\n"); }
        if (fp == NULL) {
                printf("open source %s failed\n", argv[1]); return -1;}
        while (fgets(buf,1024, fp)) {
                printf("%s\n", buf); }
        return 0; }
```

```
q22010111@lhy-Virtual-Machine:~$ vim c1.c
q22010111@lhy-Virtual-Machine:~$ ./hello1 experiment2-3.sh
#!/bin/bash



smallest=10000

for i in 8 2 18 0 -3 87

do

        if test $i -lt $smallest

        then

                smallest=$i

        fi

done

echo $smallest
```

```c
//完成了ls -a的工作
#include <stdio.h>
#include <dirent.h>
#include <sys/types.h>
int main(int argc, char* argv[]) {
        DIR* dirp;
        struct dirent* direntp;
        if ((dirp = opendir(argv[1])) == NULL)
                printf("error\n");
        while ((direntp = readdir(dirp)) != NULL)
                printf("%s\n", direntp->d_name);
        closedir(dirp);
}
```

```
q22010111@lhy-Virtual-Machine:~$ ./hello2 .
lihangyu.txt
makefile
c
hello3
c1.o
hello2
others
c2.o
.bash_logout
demo
experiment2-2.sh
.profile
c2.c
c1.c
textfile
c3.c
c3.o
.bashrc
..
experiment2-3.sh
hello1
experiment2-1.sh
.sudo_as_admin_successful
experiment2-5.sh
experiment2-4.sh
backup.tar.gz
.
.viminfo
.bash_history
```

```
q22010111@lhy-Virtual-Machine:~$ vim c3.c
q22010111@lhy-Virtual-Machine:~$ ./hello3
/home/q22010111
success
/home
```

```c
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
int main(){
        char buf[1024] = {0};
        char buf2[1024]={0};
        getcwd(buf, 1024);
        printf("%s\n", buf);
        if(chdir("/home")<0)
                printf("error\n");
        else
                printf("success\n");
        getcwd(buf2,1024);
        printf("%s\n",buf2);
        return 0;
}
```