```c
#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);
    }
    fclose(fp);   // 关闭文件
    return 0;
}
```

c1.c	Makefile

```makefile
hello1: c1.o
        gcc -o hello1 c1.o   # Tab缩进，生成可执行文件hello1
c1.o: c1.c
        gcc -c c1.c          # Tab缩进，生成目标文件c1.o
clean:
        rm -rf *.o           # Tab缩进，清理所有.o中间文件
```

```
hyy@hyy-VMware-Virtual-Platform:~/桌面$ echo "23041504heyiyang"
23041504heyiyang
hyy@hyy-VMware-Virtual-Platform:~/桌面$ make
gcc -c c1.c          # Tab缩进，生成目标文件c1.o
gcc -o hello1 c1.o  # Tab缩进，生成可执行文件hello1
hyy@hyy-VMware-Virtual-Platform:~/桌面$ echo "hello linux">test.txt
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./test.txt
bash: ./test.txt: 权限不够
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./hello1 text.txt
open source text.txt failed
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./hello1 test.txt
hello linux

hyy@hyy-VMware-Virtual-Platform:~/桌面$
```

c2.c

```c
#include <stdio.h>
#include <dirent.h>
#include <sys/types.h>
#include <stdlib.h>
int  main(int argc, char* argv[])
{
    DIR* dirp;
    struct dirent* direntp;
    if ((dirp = opendir(argv[1])) == NULL) {
        printf("error\n");
     //   exit(1);
    }
    while ((direntp = readdir(dirp)) != NULL)
        printf("%s\n", direntp->d_name);
    closedir(dirp);
    // exit(0);
}
```

c2.c	Makefile

```makefile
hello2:c2.o
        gcc -o hello2 c2.o
c2.o:c2.c
        gcc -c c2.c
clean:
        rm -rf *.o
```

```
hyy@hyy-VMware-Virtual-Platform:~/桌面$ echo "B23041504heyiyang"
B23041504heyiyang
hyy@hyy-VMware-Virtual-Platform:~/桌面$ make
gcc -c c2.c
gcc -o hello2 c2.o
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./hello2 .
.
..
hello2
c2.o
test.txt
hello1
c1.c
Makefile
c2.c
c1.o
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./hello /home
bash: ./hello: 没有那个文件或目录
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./hello2 /home
.
..
hyy
b23041504
hyy@hyy-VMware-Virtual-Platform:~/桌面$
```

Makefile

```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;
}
```

Makefile

```makefile
hello3:c3.o
        gcc -o hello3 c3.o
c3.o:c3.c
        gcc -c c3.c
clean:
        rm -rf *.o
```

```
hyy@hyy-VMware-Virtual-Platform:~/桌面$ echo "B23041504heyiyang"
B23041504heyiyang
hyy@hyy-VMware-Virtual-Platform:~/桌面$ make
gcc -c c3.c
gcc -o hello3 c3.o
hyy@hyy-VMware-Virtual-Platform:~/桌面$ ./hello3
/home/hyy/桌面
success
/home
hyy@hyy-VMware-Virtual-Platform:~/桌面$
```