```
3.1
#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;
Make sure your filename is c1.c
We can use the following makefile.
hello1:c1.o
gcc -o hello1 c1.o
c1.o:c1.c
gcc -c c1.c
clean:
rm -rf *.o
ww@b22040705:~/桌面$ vim c1.c
ww@b22040705:~/桌面$ make
gcc -c c1.c -Wall -g # 这里也是 Tab 缩进
gcc -o hello1 c1.o # 注意这里是 Tab 缩进
ww@b22040705:~/桌面$ vim example.txt
ww@b22040705:-/桌面$ ./hello1 example.txt
b22040705
```

3.2

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");
// exit(1);
while ((direntp = readdir(dirp)) != NULL)
printf("%s\n", direntp->d_name);
closedir(dirp);
// exit(0);
}
Make sure your filename is c2.c
We can use the following makefile.
hello2:c2.o
gcc -o hello1 c2.o
c2.o:c2.c
gcc -c c2.c
clean:
rm -rf *.o
```

```
ww@b22040705:~/b22040705$ nano c2.c
ww@b22040705:~/b22040705$ nano makefile
ww@b22040705:~/b22040705$ make
gcc -c c2.c
gcc -o hello1 c2.o
ww@b22040705:~/b22040705$ ./hello1 ~/b22040705
c2.c
.
c2.o
makefile
hello1
...
ww@b22040705:~/b22040705$ make clean
rm -rf *.o
```

3.3

(3) Write a C program that changes the working directory of the current process. The program is compiled

and linked by the make tool, which requires the generation of the.o file first, and then the generation of the

executable file, and the function of deleting the intermediate file (.o) in the makefile file.

Make sure your filename is c3.c

```
We can use the following makefile.
hello3:c3.o
gcc -o hello1 c3.o
c3.o:c3.c
gcc -c c3.c
clean:
rm -rf *.o
ww@b22040705:~/b22040705$ vim c3.c
ww@b22040705:~/b22040705$ vim makefile
ww@b22040705:~/b22040705$ ./hello1
c2.c
c3.c
makefile
hello1
ww@b22040705:~/b22040705$ make
makefile:2: *** 缺失分隔符。 停止。
ww@b22040705:~/b22040705$ vim makefile
ww@b22040705:~/b22040705$ make
gcc -c c3.c
gcc -o hello1 c3.o
ww@b22040705:~/b22040705$ ./hello1
/home/ww/b22040705
success
/home
ww@b22040705:~/b22040705$ make clean
rm -rf *.o
```