(1) Task 1

(1) Write a C program that uses standard I/O libraries to display the contents of text files. 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.

```
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ touch test1.c
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ gcc -o hello1 test1.o
/usr/bin/ld: 找不到 test1.o: 没有那个文件或目录
collect2: error: ld returned 1 exit status
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ rm -rf *.o
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ gcc -c test1.c
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ gcc -o hello1 test1.o
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ ./ hello1
bash: ./: 是一个目录
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ ./hello1
please input source file!
open source (null) failed
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$
```

(2) Task 2

(2) Write a C program that displays all the file names in the current directory. 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

```
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ rm -rf *.o
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ gcc -c c2.c
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ gcc -o hello1 c2.o
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$ ./hello2
段错误（核心已转储）
blueberry@blueberry-VMware-Virtual-Platform:~/桌面$
```

(3) Task 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.