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

```
~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► make
gcc -c c1.c
gcc -o hello1 c1.o
~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► ls
c1.c  c1.o  hello1  makefile  test.txt
~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► ./hello1
1 please input source file!
open source (null) failed
~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► ./hello1 test.txt
hello world

~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► make
make: 'hello1' is up to date.
~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► make clean
rm -rf *.o
~/Codes/c-c++/linuxExperiment/experiment3/c1
ssy ► ls
c1.c  hello1  makefile  test.txt
```

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

```
~/Codes/c-c++/linuxExperiment/experiment3/c2
ssy ► ls
asdf  c2.c  Makefile
~/Codes/c-c++/linuxExperiment/experiment3/c2
ssy ► make
gcc -c c2.c
gcc -o hello c2.o
~/Codes/c-c++/linuxExperiment/experiment3/c2
ssy ► ls
asdf  c2.c  c2.o  hello  Makefile
~/Codes/c-c++/linuxExperiment/experiment3/c2
ssy ► ./hello asdf
testest2.txt
.
testest4.txt
teset
testest1.txt
testest0.txt
..
testest3.txt
testest5.txt
~/Codes/c-c++/linuxExperiment/experiment3/c2
ssy ► make clean
rm -r *.o
~/Codes/c-c++/linuxExperiment/experiment3/c2
ssy ► ls
asdf  c2.c  hello  Makefile
```

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

```
ssy ▶ ls
c3.c  dir0  Makefile
```

```
ssy ▶ make
gcc -c c3.c
gcc -o hello3 c3.o
```

```
ssy ▶ ls
c3.c  c3.o  dir0  hello3  Makefile
```

```
ssy ▶ ./hello3
0 /home/ssy/Codes/c-c++/linuxExperiment/experiment3/c3/dir0
```

```
ssy ▶ ls
c3.c  c3.o  dir0  hello3  Makefile
```