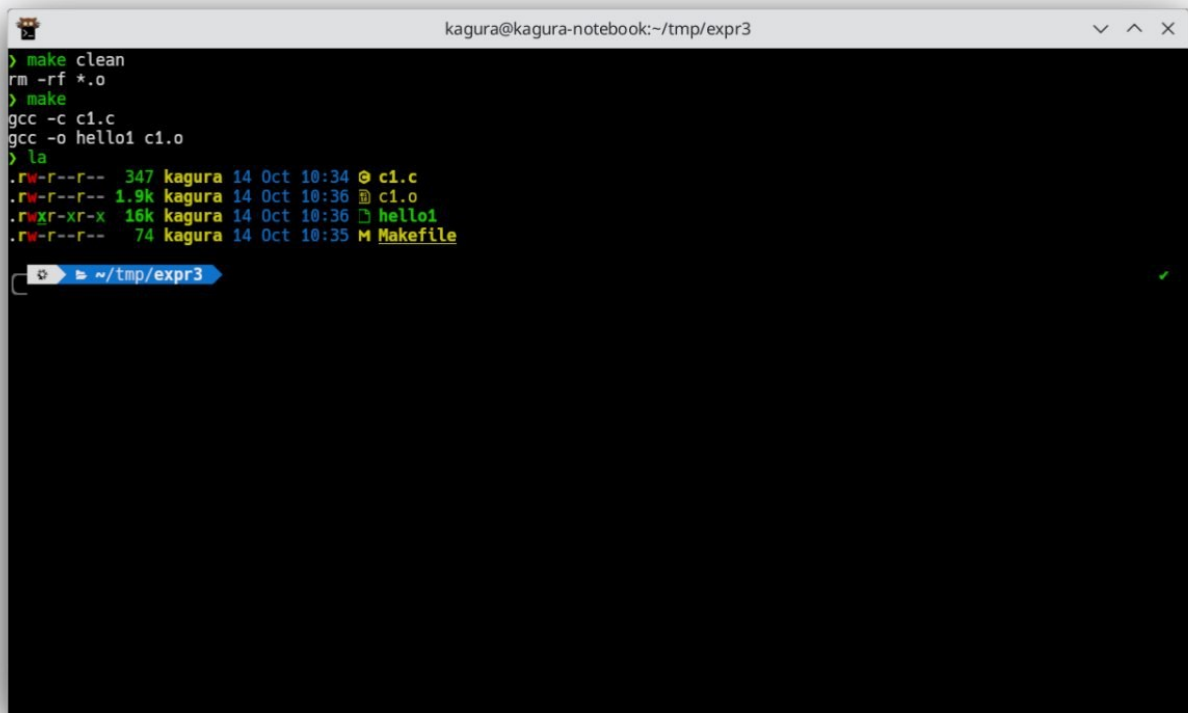


(1) Task 1

(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.



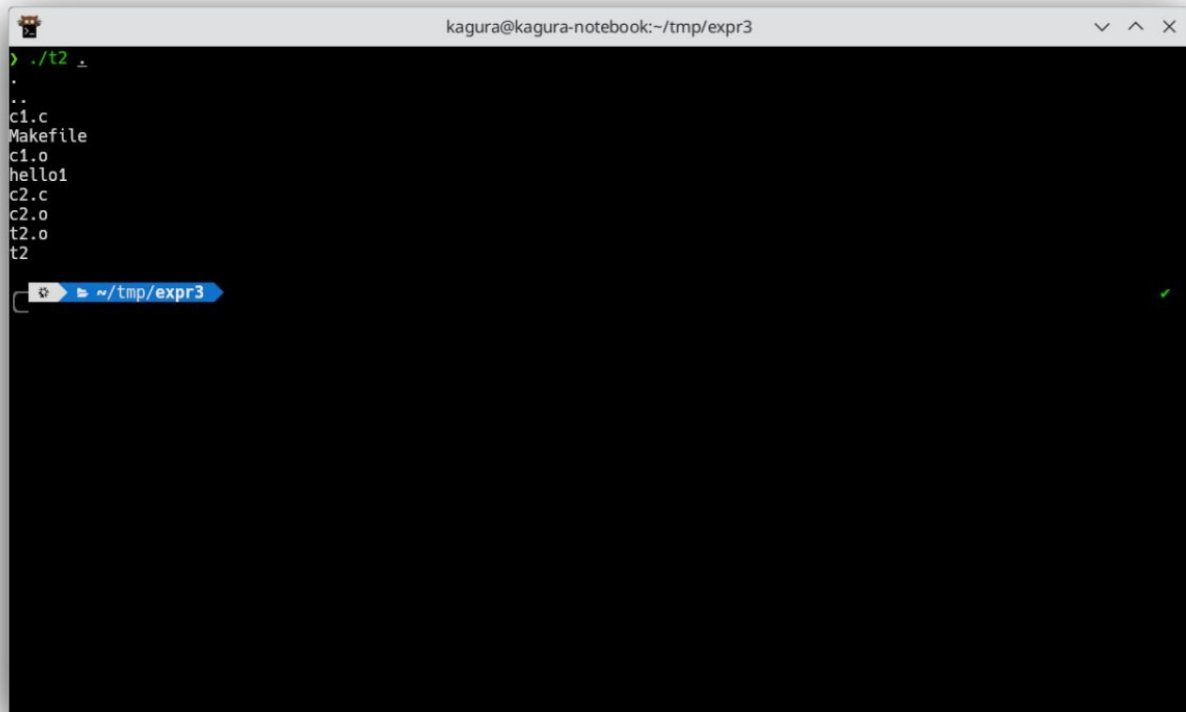
```
kagura@kagura-notebook:~/tmp/expr3
> make clean
rm -rf *.o
> make
gcc -c c1.c
gcc -o hello1 c1.o
> ls
-rw-r--r-- 347 kagura 14 Oct 10:34 @ c1.c
-rw-r--r-- 1.9k kagura 14 Oct 10:36 @ c1.o
-rwxr-xr-x 16k kagura 14 Oct 10:36 @ hello1
-rw-r--r-- 74 kagura 14 Oct 10:35 M Makefile
```

```
> hx test
> ./hello1 test
Hello
```

(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.

A terminal window titled 'kagura@kagura-notebook:~/tmp/expr3' with standard window controls. The terminal shows the command './t2' followed by a directory listing of the current directory. The listing includes: '.', '..', 'c1.c', 'Makefile', 'c1.o', 'hello1', 'c2.c', 'c2.o', 't2.o', and 't2'. A blue prompt bar at the bottom shows the current directory as '~/tmp/expr3' with a green checkmark on the right.

```
kagura@kagura-notebook:~/tmp/expr3
> ./t2
.
..
c1.c
Makefile
c1.o
hello1
c2.c
c2.o
t2.o
t2
```

(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.

```
kagura@kagura-notebook:~/tmp/expr3
> hx c3.c
> hx c2.c
> hx Makefile
> make target3
gcc -c c3.c -o t3.o
gcc -o t3 t3.o
> ./t3
/home/kagura/tmp/expr3
success
/home
[?] ~/tmp/expr3
```