(1) Task 1

```
hcx@shenhen:~/Linux_c$ ls
cl.c cl.o hello1
hcx@shenhen:~/Linux_c$ ./hello1 cl.c
#include <stdio.h>

int main(int argc, char* argv[])
{
    char buf[1024] = { 0 };
    if (argc < 2)
    {
        printf("please input source file!\n");
        return -1;
    }

FILE* fp = fopen(argv[1], "r");
    if (fp == NULL)
    {
        printf("open source %s failed\n", argv[1]);
        return -1;
    }

while (fgets(buf, 1024, fp))
    {
        printf("%s", buf); // fgets already includes a newline if the line in the file has one
```

(2) Task 2

```
hcx@shenhen:~/Linux_c$ ./hello2 ./
...
c1.c
hello2
c2.o
c2.c
c1.o
...
hello1
hcx@shenhen:~/Linux_c$
```

(3) Task 3

```
hcx@shenhen:~/Linux_c$ touch c3.c
ncx@shenhen:~/Linux_c$ gcc -c c3.c
ncx@shenhen:~/Linux_c$ gcc -o hello3 c3.o
ncx@shenhen:~/Linux_c$ ls
nl.c c1.o c2.c c2.o c3.c c3.o hello1 hello2 hello3
ncx@shenhen:~/Linux_c$ ./hello3
ncx@shenhen:~/Linux_c$ ./hello3
Current working directory: /home/hcx/Linux_c
Directory changed successfully.
New working directory: /home
ncx@shenhen:~/Linux_c$
```