

(1)

```
oldman@wmz-ubuntu:~/linux_exp3$ cat c1.c
#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;
}

oldman@wmz-ubuntu:~/linux_exp3$ cat makefile
hello1:c1.o
    gcc -o hello1 c1.o
c1.o:c1.c
    gcc -c c1.c
clean:
    rm -rf *.o

oldman@wmz-ubuntu:~/linux_exp3$ make
make: "hello1"已是最新。
oldman@wmz-ubuntu:~/linux_exp3$ ./hello1 c1.c
#include <stdio.h>

int main(int argc, char* argv[])

{

    char buf[1024] = { 0 };

    FILE* fp = fopen(argv[1], "r");
```

```
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;
}

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```

(2)

```
oldman@wmz-ubuntu:~/linux_exp3$ cat c2.c
#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);
}
oldman@wmz-ubuntu:~/linux_exp3$ cat makefile
hello2:c2.o
        gcc -o hello2 c2.o
c2.o:c2.c
        gcc -c c2.c
clean:
        rm -rf *.o
oldman@wmz-ubuntu:~/linux_exp3$ make
gcc -o hello2 c2.o
oldman@wmz-ubuntu:~/linux_exp3$ ./hello2
```

(3)

```
oldman@wmz-ubuntu:~/linux_exp3$ cat c3.c
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
int main(){
    char buf[1024] = {0};
    char buf2[1024]={0};
    getcwd(buf, 1024);
    printf("%s\n", buf);
    if(chdir("/home")<0){
        printf("error\n");
    }
    else
    {
        printf("success\n");
    }
    getcwd(buf2,1024);
    printf("%s\n",buf2);
    return 0;
}
oldman@wmz-ubuntu:~/linux_exp3$ cat makefile
hello3:c3.o
        gcc -o hello3 c3.o
c3.o:c3.c
        gcc -c c3.c
clean:
        rm -rf *
oldman@wmz-ubuntu:~/linux_exp3$ make
gcc -o hello3 c3.o
oldman@wmz-ubuntu:~/linux_exp3$ ./hello3
/home/oldman/linux_exp3
success
/home
oldman@wmz-ubuntu:~/linux_exp3$
```