实验三


```
┌──(kali㉿kali)-[~/Temp]
└─$ 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;
}

┌──(kali㉿kali)-[~/Temp]
└─$ gcc -o hello1 c1.c

┌──(kali㉿kali)-[~/Temp]
└─$ ./hello1 textfile
no, I study in njupt.

this line ends with 00

this line ends with .00

I am 25 years old.

He is 15. It is 16.00

wy is the short of my name.

┌──(kali㉿kali)-[~/Temp]
└─$
```



```
[v3g3t4ble:~/Temp/hello2]$ 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");
        return 1;
    }
    while ((direntp = readdir(dirp)) != NULL)
        printf("%s\n", direntp->d_name);
    closedir(dirp);
}
[v3g3t4ble:~/Temp/hello2]$ cat Makefile
hello2: c2.o
        gcc -o hello2 c2.o
c2.o: c2.c
        gcc -c c2.c
clean:
        rm ./*.o
[v3g3t4ble:~/Temp/hello2]$ make
gcc -o hello2 c2.o
[v3g3t4ble:~/Temp/hello2]$ ./hello2
error
[v3g3t4ble:~/Temp/hello2]$ ./hello2 ./
.
..
c2.c
hello2
Makefile
c2.o
[v3g3t4ble:~/Temp/hello2]$
```

```
[v3g3t4ble:~/Temp/hello3]$ 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;
}
[v3g3t4ble:~/Temp/hello3]$ cat Makefile
hello3: c3.o
        gcc -o hello1 c3.o
c3.o: c3.c
        gcc -c c3.c
clean:
        rm ./*.o
[v3g3t4ble:~/Temp/hello3]$ make
gcc -c c3.c
gcc -o hello1 c3.o
[v3g3t4ble:~/Temp/hello3]$ ./hello1
/Users/v3g3t4ble/Temp/hello3
success
/System/Volumes/Data/home
[v3g3t4ble:~/Temp/hello3]$
```