(1) Task1

```
c1.c
~/linuxB22040503/Experiment3
  打开(O) ~
             _+
                                task1.c
 1 #include <stdio.h>
 2 int main(int argc,char* argv[])
 3 {
 4 char buf[1024]={0};
 5 FILE* fp=fopen(argv[1],"r");
 6 if(argc<2)
 8 printf("please input source file!\n");
 9 }
10 if(fp==NULL)
11 {
12 printf("open source %s failed\n",argv[1]);
13 return -1;
14
15 }
16 while(fgets(buf, 1024, fp))
17 {
18 printf("%s\n",buf);
19 }
20 return 0;
21 }
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ gcc -c c1.c
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ gcc -o hello1 c1.o
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ gcc -c c1.c
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ rm -rf *.o
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ ./hello1 hello.txt
hello world!
B22040503
```

(2) Task2

c2.c hello.txt

c1.o hello3

```
c2.c
  打开(0) ~ 用
                                                             ~/linuxB22040503/Experiment3
                                  c1.c
 1 #include <stdio.h>
 2 #include <dirent.h>
 3 #include <sys/types.h>
 4 int main(int argc, char* argv[])
 5
       DIR* dirp;
 6
       struct dirent* direntp;
 7
       if ((dirp = opendir(argv[1])) == NULL) {
    printf("error\n");
 8
 9
10
        11
           exit(1);
11
       while ((direntp = readdir(dirp)) != NULL)
12
13
          printf("%s\n", direntp->d_name);
14
       closedir(dirp);
15
       // exit(0);
16
  leo@leo-virtual-machine:-/linuxB22040503/Experiment3$ gcc -o hello2 c2.o
 leo@leo-virtual-machine:-/linuxB22040503/Experiment3$ gcc -c c2.c
  leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ rm -rf *.o
  leo@leo-virtual-machine:~/linux822040503/Experiment3$
leo@leo-virtual-machine:~/linuxB22040503/Experiment3$ ./hello2 /home/leo/linuxB22040503/Experiment3
hello2
c1.c
hello1
c3.c
```

(3) Task3

