```c
#include<stdio.h>
#include<sys/types.h>
#include<dirent.h>

void main(){
        DIR *dir;
        struct dirent *ptr;
        char dirname[100];
        printf("\nEnter the directory:");
        scanf("%s",dirname);
        dir=opendir(dirname);
        printf("Inod\tDirectory name\n");
        while((ptr=readdir(dir))!=NULL){
                printf("%ld\t%s\n",ptr->d_ino,ptr->d_name);
        }
        closedir(dir);
        return;
}
```
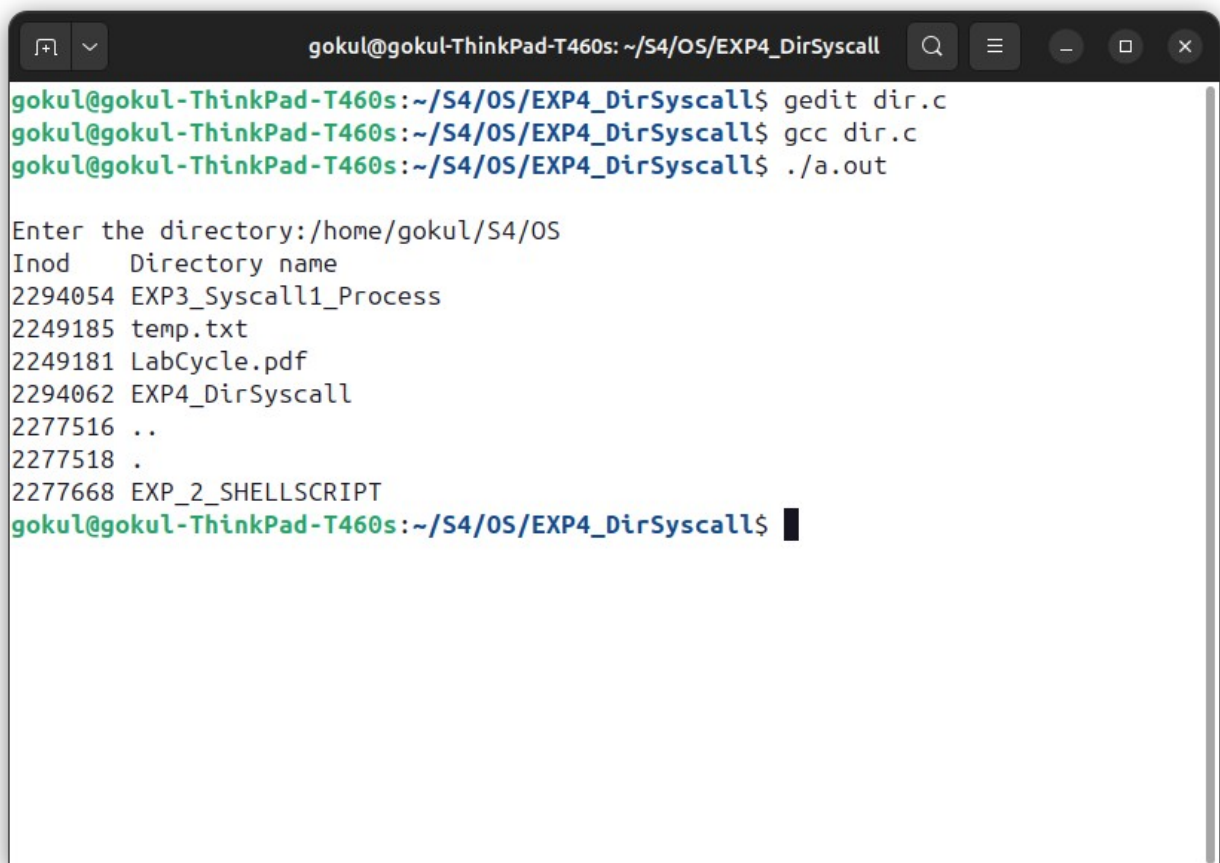
```
gokul@gokul-ThinkPad-T460s: ~/S4/OS/EXP4_DirSyscall

gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_DirSyscall$ gedit dir.c
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_DirSyscall$ gcc dir.c
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_DirSyscall$ ./a.out

Enter the directory:/home/gokul/S4/OS
Inod    Directory name
2294054 EXP3_Syscall1_Process
2249185 temp.txt
2249181 LabCycle.pdf
2294062 EXP4_DirSyscall
2277516 ..
2277518 .
2277668 EXP_2_SHELLSCRIPT
gokul@gokul-ThinkPad-T460s:~/S4/OS/EXP4_DirSyscall$
```