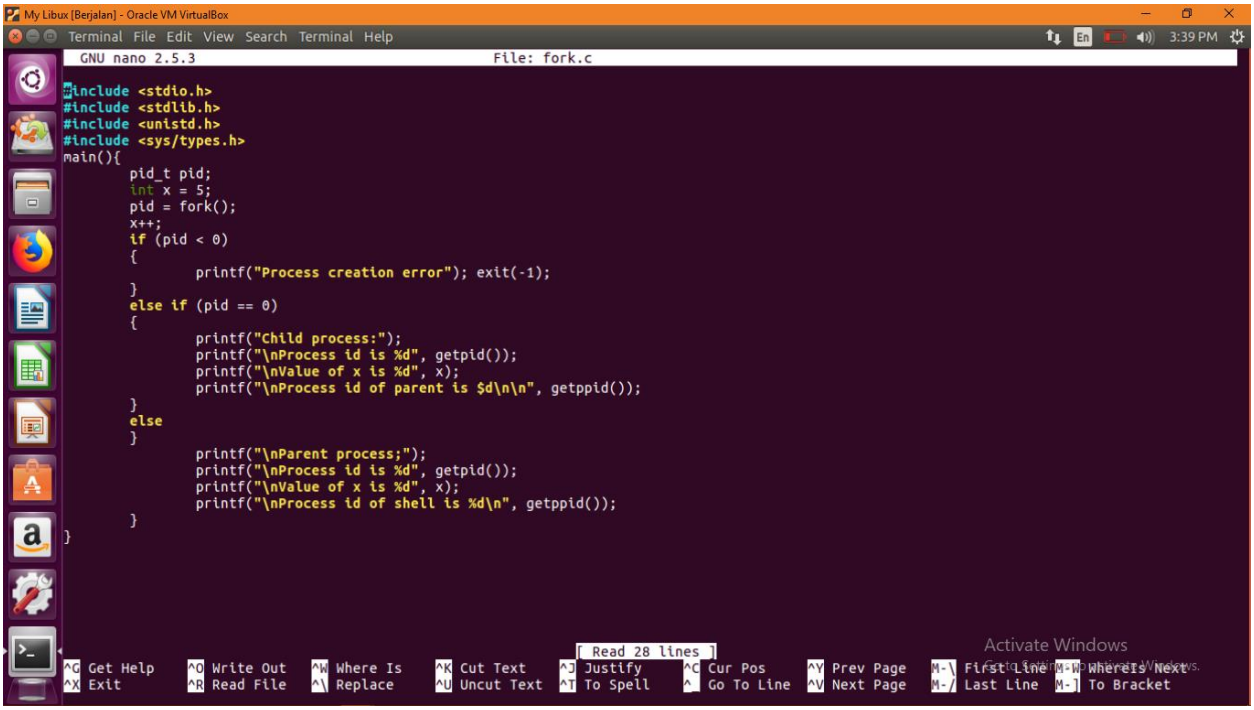
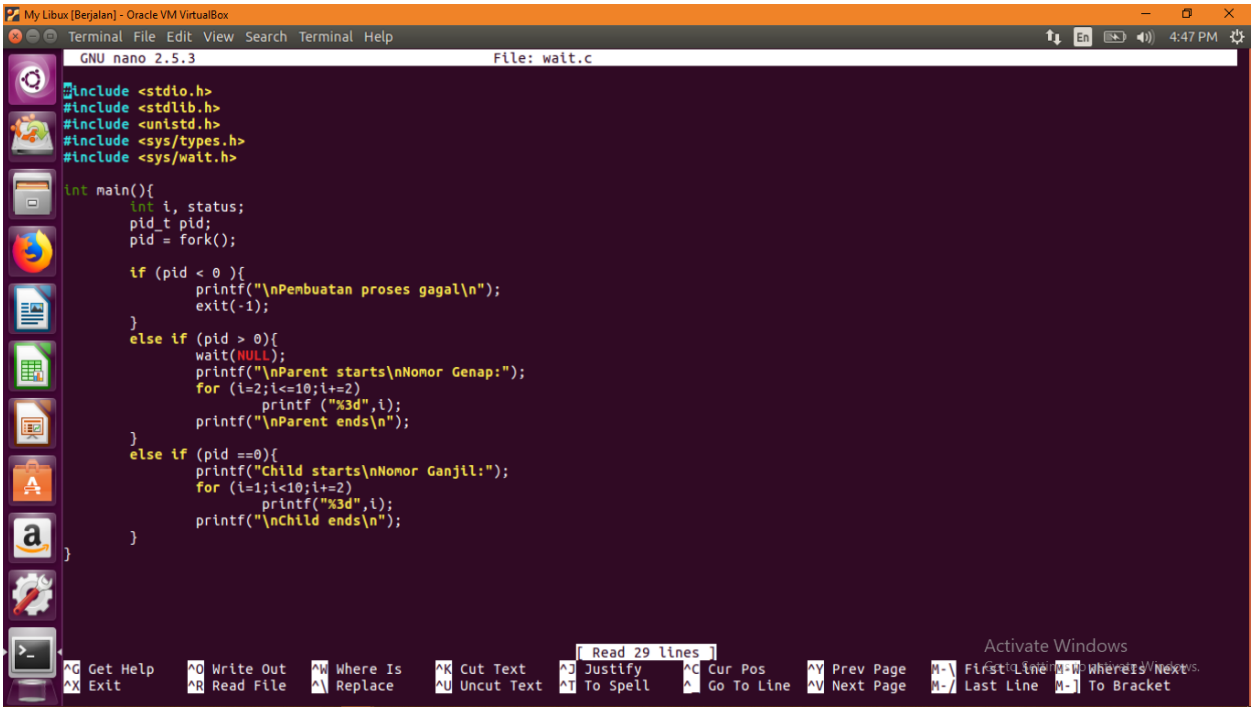
Rayyan Hanugrah
L200170109
Kelas E

Fork.c

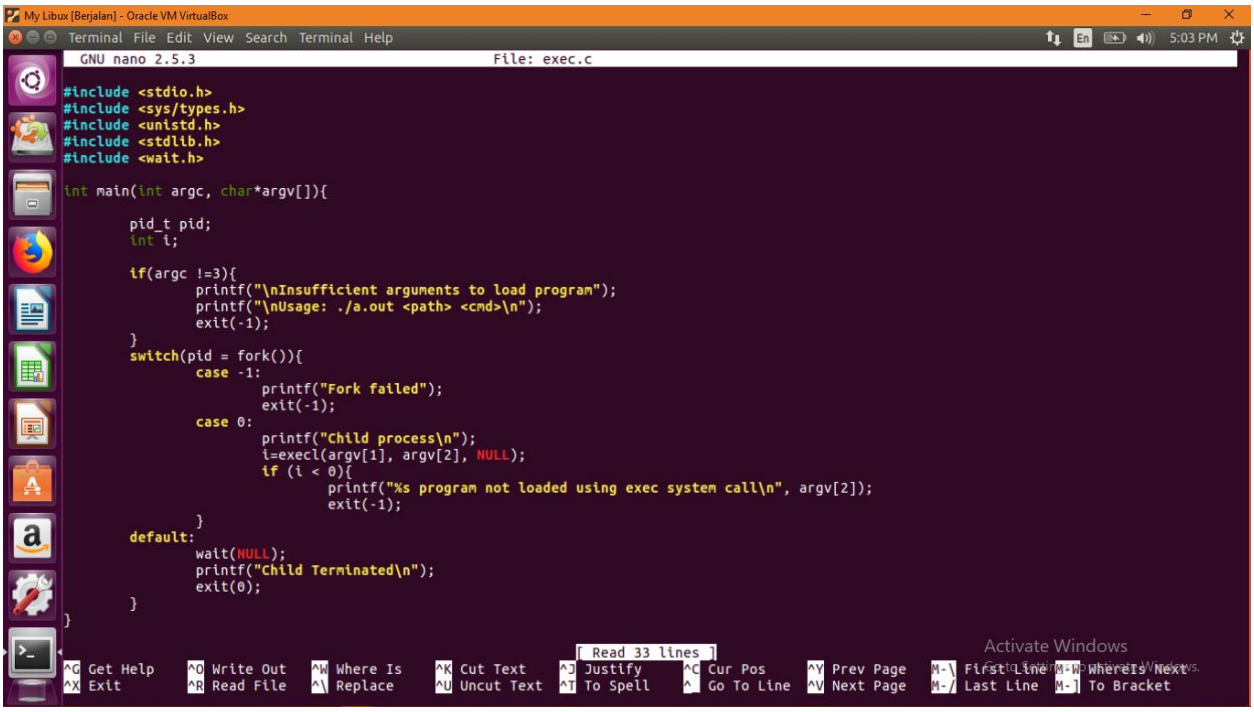


Wait.c


My Libux [Berjalan] - Oracle VM VirtualBox
Terminal File Edit View Search Terminal Help
4:47 PM
GNU nano 2.5.3 File: wait.c
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/types.h>
#include <sys/wait.h>
int main(){
int i, status;
pid_t pid;
pid = fork();
if (pid < 0){
printf("\nPembuatan proses gagal\n");
exit(-1);
}
else if (pid > 0){
wait(NULL);
printf("\nParent starts\nNomor Genap:");
for (i=2;i<=10;i+=2)
printf ("%3d",i);
printf("\nParent ends\n");
}
else if (pid ==0){
printf("Child starts\nNomor Ganjil:");
for (i=1;i<10;i+=2)
printf("%3d",i);
printf("\nChild ends\n");
}
}
[Read 29 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^Y Prev Page M-\ First Line M-W WhereIs Next
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line ^V Next Page M-/ Last Line M-] To Bracket
Activate Windows

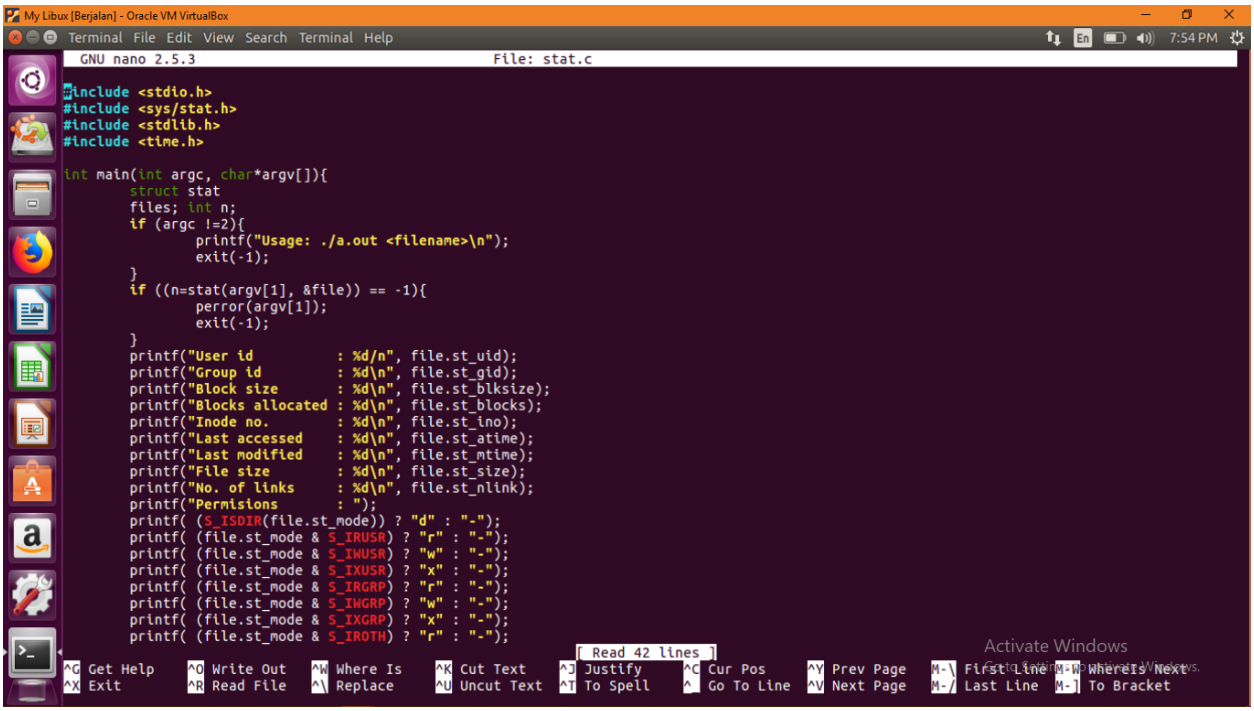

ubuntu@ubuntu:~$ ./wait
Child starts
Nomor Ganjil: 1 3 5 7 9
Child ends
Parent starts
Nomor Genap: 2 4 6 8 10
Parent ends
ubuntu@ubuntu:~$ nano wait.c
ubuntu@ubuntu:~$

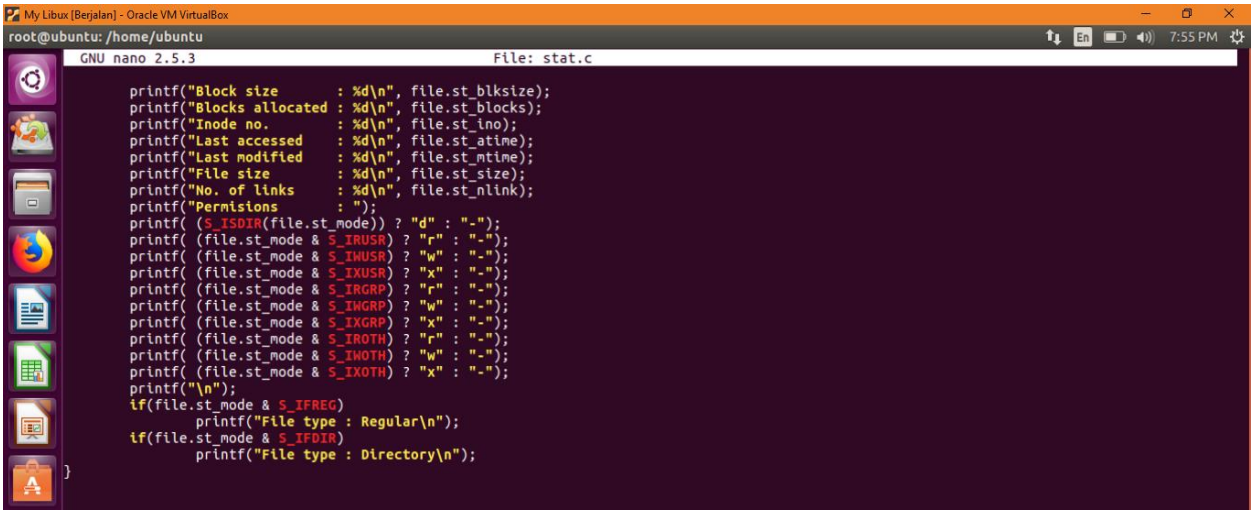
Exec.c

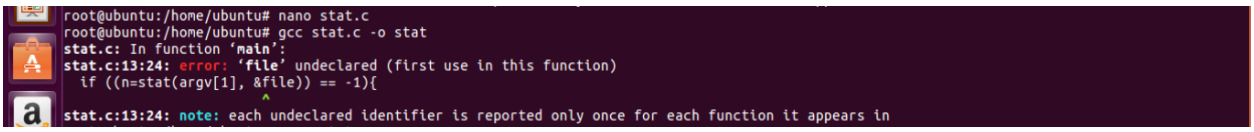

My Libux [Berjalan] - Oracle VM VirtualBox
Terminal File Edit View Search Terminal Help
5:03 PM
GNU nano 2.5.3 File: exec.c
#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
#include <stdlib.h>
#include <wait.h>
int main(int argc, char*argv[]){
pid_t pid;
int i;
if(argc !=3){
printf("\nInsufficient arguments to load program");
printf("\nUsage: ./a.out <path> <cmd>\n");
exit(-1);
}
switch(pid = fork()){
case -1:
printf("Fork failed");
exit(-1);
case 0:
printf("Child process\n");
i=execl(argv[1], argv[2], NULL);
if (i < 0){
printf("%s program not loaded using exec system call\n", argv[2]);
exit(-1);
}
default:
wait(NULL);
printf("Child Terminated\n");
exit(0);
}
}
[Read 33 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^Y Prev Page M-\ First Line M-W WhereIs Next
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line ^V Next Page M-/ Last Line M-] To Bracket
Activate Windows


ubuntu@ubuntu:~$ nano exec.c
ubuntu@ubuntu:~$ gcc exec.c -o exec
ubuntu@ubuntu:~$ nano exec.c
ubuntu@ubuntu:~$ gcc exec.c -o exec
ubuntu@ubuntu:~$ ./exec
Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
ubuntu@ubuntu:~$ ./a.out /bin/is is
bash: ./a.out: No such file or directory
ubuntu@ubuntu:~$ ./a.out
bash: ./a.out: No such file or directory
ubuntu@ubuntu:~$
Activate Windows
Go to Settings to activate Windows.

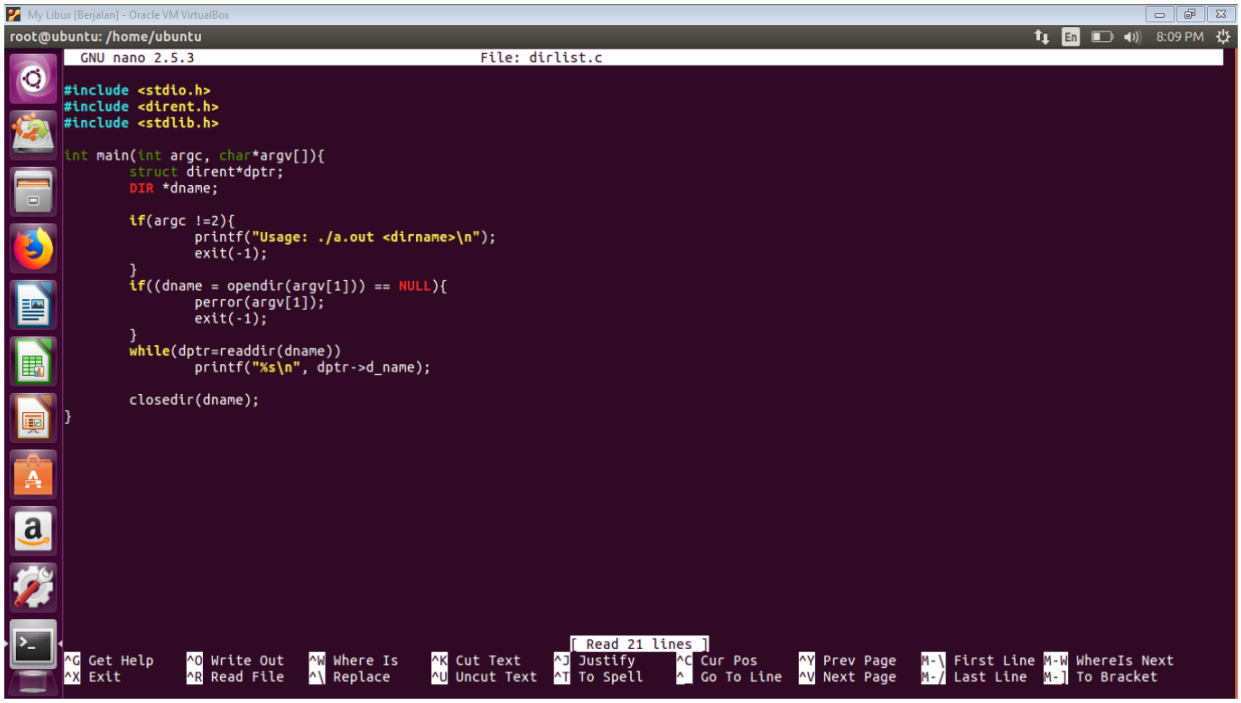
Stat.c


My Libux [Berjalan] - Oracle VM VirtualBox
Terminal File Edit View Search Terminal Help
7:54 PM
GNU nano 2.5.3 File: stat.c
#include <stdio.h>
#include <sys/stat.h>
#include <stdlib.h>
#include <time.h>
int main(int argc, char*argv[]){
struct stat
files; int n;
if (argc !=2){
printf("Usage: ./a.out <filename>\n");
exit(-1);
}
if ((n=stat(argv[1], &file)) == -1){
perror(argv[1]);
exit(-1);
}
printf("User id : %d/n", file.st_uid);
printf("Group id : %d\n", file.st_gid);
printf("Block size : %d\n", file.st_blksize);
printf("Blocks allocated : %d\n", file.st_blocks);
printf("Inode no. : %d\n", file.st_ino);
printf("Last accessed : %d\n", file.st_atime);
printf("Last modified : %d\n", file.st_mtime);
printf("File size : %d\n", file.st_size);
printf("No. of links : %d\n", file.st_nlink);
printf("Permisions : ");
printf((S_ISDIR(file.st_mode)) ? "d" : "-");
printf((file.st_mode & S_IRUSR) ? "r" : "-");
printf((file.st_mode & S_IWUSR) ? "w" : "-");
printf((file.st_mode & S_IXUSR) ? "x" : "-");
printf((file.st_mode & S_IRGRP) ? "r" : "-");
printf((file.st_mode & S_IWGRP) ? "w" : "-");
printf((file.st_mode & S_IXGRP) ? "x" : "-");
printf((file.st_mode & S_IROTH) ? "r" : "-");
[Read 42 lines]
^G Get Help ^O Write Out ^W Where Is ^K Cut Text ^J Justify ^C Cur Pos ^Y Prev Page M-\ First Line M-W WhereIs Next
^X Exit ^R Read File ^\ Replace ^U Uncut Text ^T To Spell ^_ Go To Line ^V Next Page M-/ Last Line M-] To Bracket
Activate Windows


My Libux [Berjalan] - Oracle VM VirtualBox
root@ubuntu: /home/ubuntu
7:55 PM
GNU nano 2.5.3 File: stat.c
printf("Block size : %d\n", file.st_blksize);
printf("Blocks allocated : %d\n", file.st_blocks);
printf("Inode no. : %d\n", file.st_ino);
printf("Last accessed : %d\n", file.st_atime);
printf("Last modified : %d\n", file.st_mtime);
printf("File size : %d\n", file.st_size);
printf("No. of links : %d\n", file.st_nlink);
printf("Permisions : ");
printf((S_ISDIR(file.st_mode)) ? "d" : "-");
printf((file.st_mode & S_IRUSR) ? "r" : "-");
printf((file.st_mode & S_IWUSR) ? "w" : "-");
printf((file.st_mode & S_IXUSR) ? "x" : "-");
printf((file.st_mode & S_IRGRP) ? "r" : "-");
printf((file.st_mode & S_IWGRP) ? "w" : "-");
printf((file.st_mode & S_IXGRP) ? "x" : "-");
printf((file.st_mode & S_IROTH) ? "r" : "-");
printf((file.st_mode & S_IWOTH) ? "w" : "-");
printf((file.st_mode & S_IXOTH) ? "x" : "-");
printf("\n");
if(file.st_mode & S_IFREG)
printf("File type : Regular\n");
if(file.st_mode & S_IFDIR)
printf("File type : Directory\n");
}


root@ubuntu:/home/ubuntu# nano stat.c
root@ubuntu:/home/ubuntu# gcc stat.c -o stat
stat.c: In function 'main':
stat.c:13:24: error: 'file' undeclared (first use in this function)
if ((n=stat(argv[1], &file)) == -1){
^
stat.c:13:24: note: each undeclared identifier is reported only once for each function it appears in

Dirlist.c


My Libux [Berjalan] - Oracle VM VirtualBox
root@ubuntu: /home/ubuntu
8:09 PM
GNU nano 2.5.3
File: dirlist.c
#include <stdio.h>
#include <dirent.h>
#include <stdlib.h>
int main(int argc, char*argv[]){
struct dirent*dptr;
DIR *dname;
if(argc !=2){
printf("Usage: ./a.out <dirname>\n");
exit(-1);
}
if((dname = opendir(argv[1])) == NULL){
perror(argv[1]);
exit(-1);
}
while(dptr=readdir(dname))
printf("%s\n", dptr->d_name);
closedir(dname);
}
[Read 21 lines]
^G Get Help
^X Exit
^O Write Out
^R Read File
^W Where Is
^\ Replace
^K Cut Text
^U Uncut Text
^J Justify
^T To Spell
^C Cur Pos
^_ Go To Line
^Y Prev Page
^V Next Page
M-\ First Line
M-/ Last Line
M-W WhereIs Next
M-] To Bracket


root@ubuntu:/home/ubuntu# nano dirlist.c
root@ubuntu:/home/ubuntu# gcc dirlist.c -o dirlist
root@ubuntu:/home/ubuntu# ./dirlist
Usage: ./a.out <dirname>
root@ubuntu:/home/ubuntu#
Activate Windows
Go to Settings to activate Windows.