#include <sys/types.h>

#include <sys/stat.h>

#include <dirent.h>

#include <stdio.h>

#include <stdlib.h>

void listDir(char \*dirName)

{

DIR\* dir;

struct dirent \*dirEntry;

struct stat inode;

char name[1000];

dir = opendir(dirName);

if (dir == 0) {

perror ("Eroare deschidere fisier");

exit(1);

}

while ((dirEntry=readdir(dir)) != 0) {

sprintf(name,"%s/%s",dirName,dirEntry->d\_name);

lstat (name, &inode);

// test the type of file

if (S\_ISDIR(inode.st\_mode))

printf("dir ");

else if (S\_ISREG(inode.st\_mode))

printf ("fis ");

else

if (S\_ISLNK(inode.st\_mode))

printf ("lnk ");

else;

printf(" %s\n", dirEntry->d\_name);

}

}

int main(int argc, char \*\*argv)

{

if (argc != 2) {

printf ("UTILIZARE: %s nume\_dir\n", argv[0]);

exit(0);

}

printf("Continutul directorului este:\n");

listDir(argv[1]);

}