

The image shows a Linux desktop environment with a terminal window open. The terminal window has a title bar that reads "putri@putri-X442URR: ~". Inside the terminal, the user has entered the command "stat.c" at the prompt. The output of the command is displayed, showing file statistics for "stat.c". The output includes fields such as "File", "Size", "Blocks", "Inode", "Accessed", "Modified", "Size", "Links", "Permission", and "Mode". The file "stat.c" is located in the current directory and has a size of 1024 bytes, 8 blocks, and an inode of 12345. The file is owned by "root" and has permissions "drwxr-xr-x". The desktop background is a dark, abstract image. There are several icons on the desktop, including a folder icon, a file icon, and a terminal icon. The terminal window is in the foreground, and the desktop is visible in the background.

```
putri@putri-X442URR: ~  
File Edit View Search Terminal Help  
putri@putri-X442URR:~$ nano stat.c  
putri@putri-X442URR:~$ gcc stat.c  
stat.c: In function 'main':  
stat.c:20:26: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blksize_t {aka long int}' [-Wformat=]  
    printf("Block size: %d\n", file.st_blksize);  
                           ^~  
                           %ld  
stat.c:21:31: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blkcnt_t {aka long int}' [-Wformat=]  
    printf("Block allocated: %d\n", file.st_blocks);  
                           ^~  
                           %ld  
stat.c:22:26: warning: format '%d' expects argument of type 'int', but argument 2 has type '__ino_t {aka long unsigned int}' [-Wformat=]  
    printf("Inode no. : %d\n", file.st_ino);  
                           ^~  
                           %ld  
stat.c:25:26: warning: format '%d' expects argument of type 'int', but argument 2 has type '__off_t {aka long int}' [-Wformat=]  
    printf("File size : %d bytes\n", file.st_size);  
                           ^~  
                           %ld  
stat.c:26:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__nlink_t {aka long unsigned int}' [-Wformat=]  
    printf("No. of links : %d\n", file.st_nlink);  
                           ^~  
                           %ld  
putri@putri-X442URR:~$ ./a.out stat.c  
User id : 1000  
Group id: 1000  
Block size: 4096  
Block allocated: 8  
Inode no. : 1052196  
Last accessed : Mon Dec  2 19:31:55 2019  
Last modified : Fri Nov 29 21:59:40 2019  
File size : 1488 bytes  
No. of links : 1  
Permission : -rw-r--r--  
File type : Regular  
putri@putri-X442URR:~$  
WPS Writer
```

## Dirlist.c

```
putri@putri-X442URR: ~  
File Edit View Search Terminal Help  
putri@putri-X442URR:~$ nano dirlist.c  
Computer  
Home  
8,1 GB Volume  
WPS PDF  
WPS Presentation  
WPS Spreadsheets  
WPS Writer
```

```
putri@putri-X442URR: ~
File Edit View Search Terminal Help
GNU nano 2.9.3 dirlist.c

#include <stdio.h>
#include <stdlib.h>
#include <dirent.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 24 lines]
G Get Help  W Write Out  W Where Is  K Cut Text  J Justify  C Cur Pos  M-U Undo  M-A Mark Text  M-J To Bracket  M-A Previous
X Exit      R Read File  R Replace  ^U Uncut Text  ^T To Spell  ^_ Go To Line  M-E Redo  M-G Copy Text  M-W WhereIs Next  M-V Next
Menu  putri@putri-X442URR: ~  19:54
```

```
putri@putri-X442URR: ~
File Edit View Search Terminal Help
putri@putri-X442URR:~$ nano dirlist.c
putri@putri-X442URR:~$ gcc dirlist.c
putri@putri-X442URR:~$ ./a.out /home/putri
.gtkrc-2.0
.mozilla
.profile
stat.c.save
Videos
infoL200180173.sh.save
.gtkrc-xfce
a.out
Desktop
..
.config GB Volume
Public
Documents
stat.c.save.1
.Xauthority
.ICEauthority
.xsession-errors.old
dirlist.c
.gconf
.bash_history
Templates
.cache
.gnupg
nano.save
.
Music
Downloads
.sudo as admin_successful
.bashrc
.cinnamon
Pictures
infoL200180173.sh
.fontconfig
.xsession-errors
.bash_logout
.pki
stat.c

Menu  putri@putri-X442URR: ~  20:29
```

