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Praktikum  
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```
herlangga@DESKTOP-6Q9945T: ~/Desktop
.kodi_crashlog-20191114_002836.log
.kodi_crashlog-20191114_005002.log
mysmsapp
herlangga@DESKTOP-6Q9945T:~/Desktop$ ./stat test.txt
User id : 1000
Group id : 1000
Block size : 512
Block allocated : 0
Inode no. : 3940649674262451
Last Accessed : 1574851719
Last Modified : 1574851719
File size : 0
No. links : 1
file type : Regular
herlangga@DESKTOP-6Q9945T:~/Desktop$ ./dirlist ..
.
..
.ICEauthority
.bash_history
.bash_logout
.bashrc
.cache
.config
.dbus
.gnupg
.gtk-bookmarks
.kodi
.local
.mozilla
.profile
.python_history
.sudo_as_admin_successful
.synaptic
.viminfo
.wget-hsts
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Desktop
Documents
Downloads
Music
Pictures
Public
Script
Templates
Videos
kodi_crashlog-20191114_002836.log
kodi_crashlog-20191114_005002.log
mysmsapp
herlangga@DESKTOP-6Q9945T:~/Desktop$
```

```
stat.c
~/Desktop

Open Save

1#include <stdio.h>
2#include <sys/stat.h>
3#include <stdlib.h>
4#include <time.h>
5int main(int argc, char*argv[]) {
6    struct stat
7    file; int n;
8    if (argc!=2){
9        printf("usage ./a.out <filename>\n");
10       exit(-1);
11    }
12    if((n = stat(argv[1],&file)) == -1){
13        perror(argv[1]);exit(-1);
14    }
15    printf("User id : %d \n", file.st_uid);
16    printf("Group id : %d \n", file.st_gid);
17    printf("Block size : %ld \n", file.st_blksize);
18    printf("Block allocated : %ld \n", file.st_blocks);
19    printf("Inode no. : %ld \n", file.st_ino);
20    printf("Last Accessed : %ld \n", file.st_atime);
21    printf("Last Modified : %ld \n", file.st_mtime);
22    printf("File size : %ld \n", file.st_size);
23    printf("No. Links : %ld \n", file.st_nlink);
24    printf("\n");
25    if (file.st_mode & S_IFREG)printf("file type : Regular\n");
26    if (file.st_mode & S_IFDIR)printf("file type : Directory\n");
27}
```

C Tab Width: 4 Ln 1, Col 1 INS

Open

dirlist.c  
~/Desktop

Save

```
1#include <stdio.h>
2#include <dirent.h>
3#include <stdlib.h>
4int main (int argc, char*argv[]){
5
6    struct dirent *dptr;
7
8    DIR *dname;
9
10   if (argc != 2)
11   {
12       printf("Usage ./a.out <dirname>\n");
13       exit(-1);
14   }
15
16   if ((dname = opendir(argv[1])) == NULL )
17   {
18       perror(argv[1]);
19       exit(-1);
20   }
21
22   while (dptr=readdir(dname))
23       printf("%s\n", dptr->d_name);
24
25   closedir(dname);
26 }
```

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