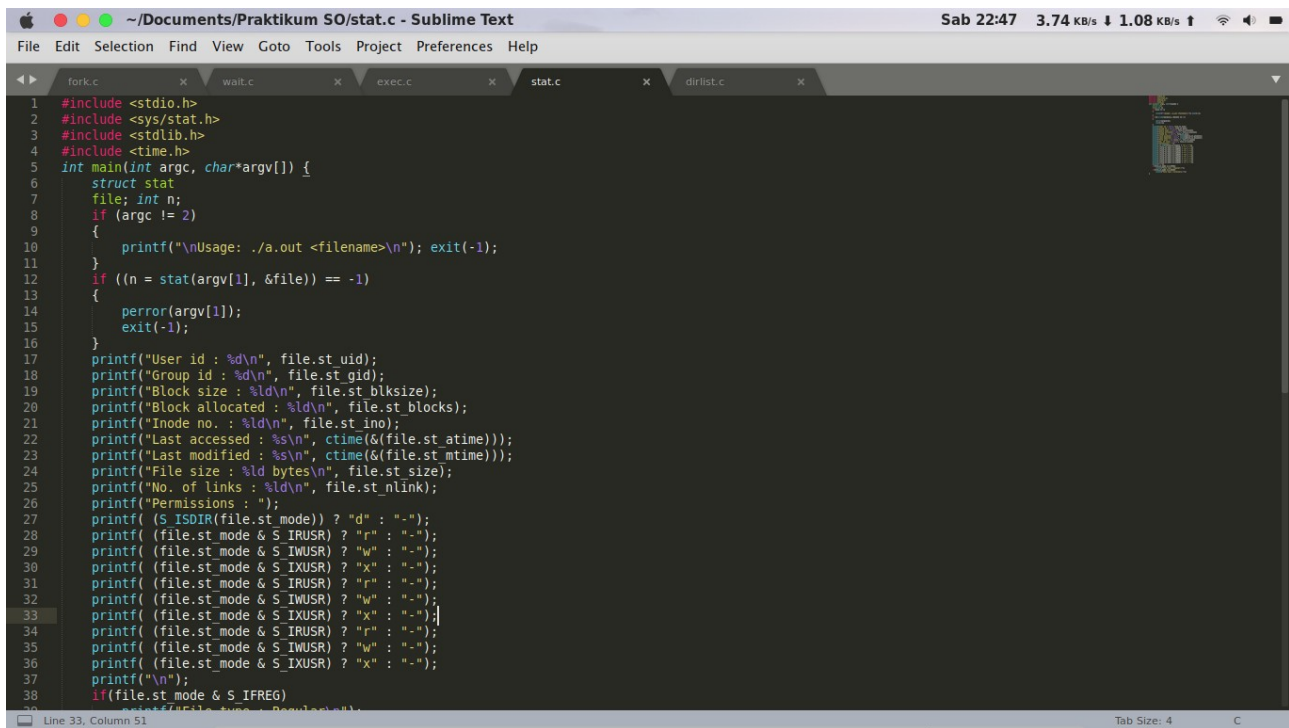
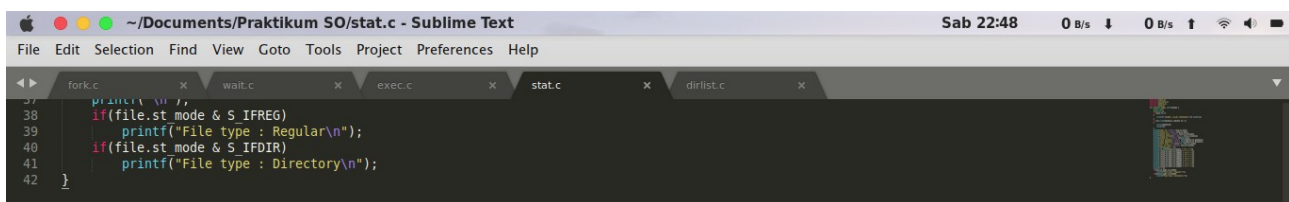


NAMA : FAKHAR SWASTIKA AL-BAIHAQI
NIM : L200180183

MODUL 8



```
1 #include <stdio.h>
2 #include <sys/stat.h>
3 #include <stdlib.h>
4 #include <time.h>
5 int main(int argc, char*argv[]) {
6     struct stat
7     file; int n;
8     if (argc != 2)
9     {
10         printf("\nUsage: ./a.out <filename>\n"); exit(-1);
11     }
12     if ((n = stat(argv[1], &file)) == -1)
13     {
14         perror(argv[1]);
15         exit(-1);
16     }
17     printf("User id : %d\n", file.st_uid);
18     printf("Group id : %d\n", file.st_gid);
19     printf("Block size : %d\n", file.st_blksize);
20     printf("Block allocated : %d\n", file.st_blocks);
21     printf("Inode no. : %d\n", file.st_ino);
22     printf("Last accessed : %s\n", ctime(&(file.st_atime)));
23     printf("Last modified : %s\n", ctime(&(file.st_mtime)));
24     printf("File size : %d bytes\n", file.st_size);
25     printf("No. of links : %d\n", file.st_nlink);
26     printf("Permissions : ");
27     printf((S_ISDIR(file.st_mode)) ? "d" : "-");
28     printf((file.st_mode & S_IRUSR) ? "r" : "-");
29     printf((file.st_mode & S_IWUSR) ? "w" : "-");
30     printf((file.st_mode & S_IXUSR) ? "x" : "-");
31     printf((file.st_mode & S_IRUSR) ? "r" : "-");
32     printf((file.st_mode & S_IWUSR) ? "w" : "-");
33     printf((file.st_mode & S_IXUSR) ? "x" : "-");
34     printf((file.st_mode & S_IRUSR) ? "r" : "-");
35     printf((file.st_mode & S_IWUSR) ? "w" : "-");
36     printf((file.st_mode & S_IXUSR) ? "x" : "-");
37     printf("\n");
38     if(file.st_mode & S_IFREG)
39         printf("File type : Regular\n");
40     if(file.st_mode & S_IFDIR)
41         printf("File type : Directory\n");
42 }
```



```
37
38 if(file.st_mode & S_IFREG)
39     printf("File type : Regular\n");
40 if(file.st_mode & S_IFDIR)
41     printf("File type : Directory\n");
42 }
```

```
nowayhouzei@nowayhouzei: ~/Documents/Praktikum SO
File Edit View Search Terminal Help

nowayhouzei@nowayhouzei:~/Documents/Praktikum SO$ gcc stat.c
nowayhouzei@nowayhouzei:~/Documents/Praktikum SO$ ./a.out stat.c
User id : 1000
Group id : 1000
Block size : 4096
Block allocated : 8
Inode no. : 1049969
Last accessed : Sat Nov 23 19:13:54 2019

Last modified : Sat Nov 23 19:13:51 2019

File size : 1379 bytes
No. of links : 1
Permissions : -rw-rw-rw-
File type : Regular
nowayhouzei@nowayhouzei:~/Documents/Praktikum SO$ █
```

```
~/Documents/Praktikum SO/dirlist.c - Sublime Text Sab 22:50 0 B/s ↓ 0 B/s ↑
File Edit Selection Find View Goto Tools Project Preferences Help

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

Line 22, Column 2 Tab Size: 4 C

```
nowayhouzei@nowayhouzei: ~/Documents/Praktikum SO
File Edit View Search Terminal Help
nowayhouzei@nowayhouzei:~/Documents/Praktikum SO$ gcc dirlist.c
nowayhouzei@nowayhouzei:~/Documents/Praktikum SO$ ./a.out example
contoh.dirlist
.
..
nowayhouzei@nowayhouzei:~/Documents/Praktikum SO$ █
```