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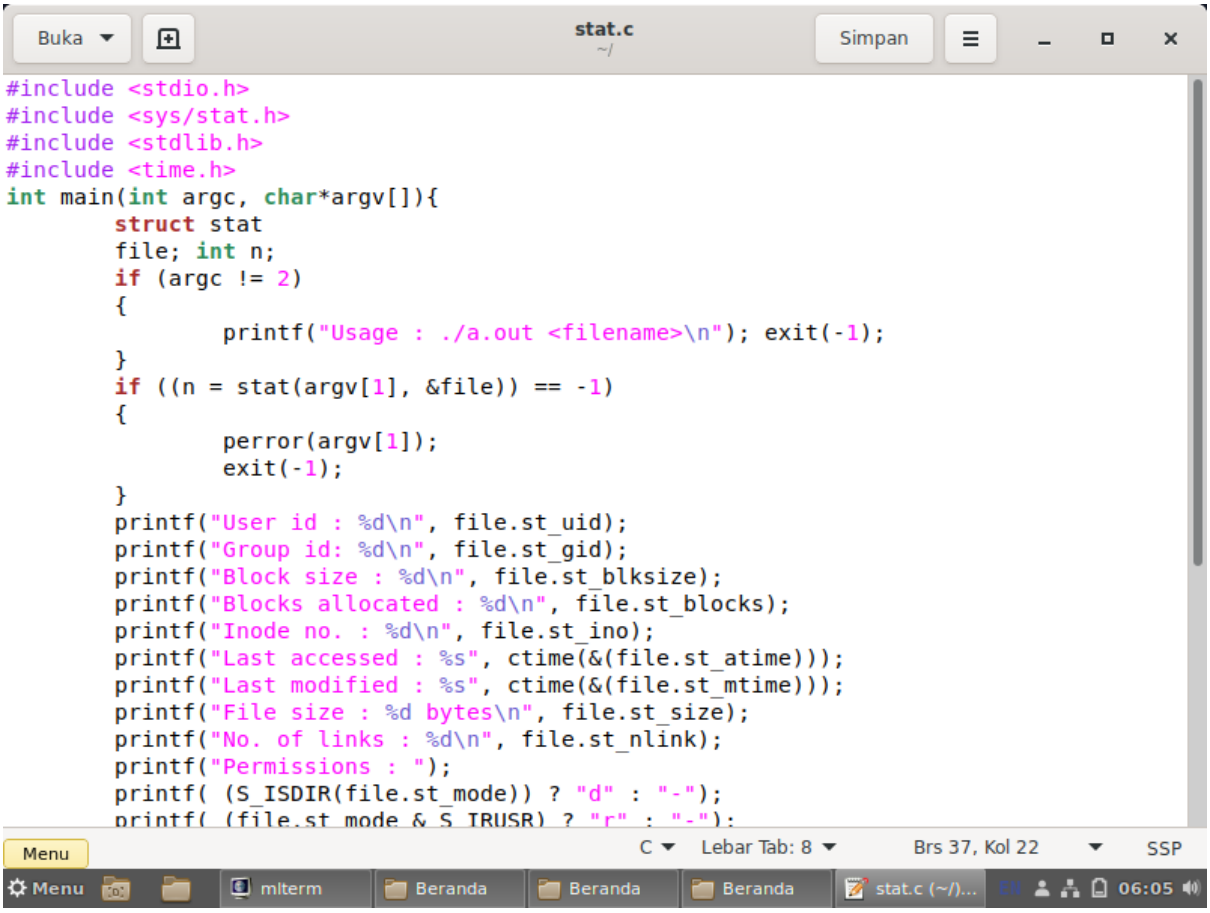
Kelas : C

Modul8

1. Menggunakan perintah system call “stat”



Buka | stat.c ~/ | Simpan

```
                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 : %s", ctime(&(file.st_atime)));
        printf("Last modified : %s", ctime(&(file.st_mtime)));
        printf("File size : %d bytes\n", file.st_size);
        printf("No. of links : %d\n", file.st_nlink);
        printf("Permissions : ");
        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");
}
```

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mlterm

```
                                                    ^
                                                    )
stat.c:41:37: error: expected ';' before '}' token
   printf("File type : Directory\n");
                                    ^
                                    ;
 }
 ~
acer@debian:~$ gcc stat.c
acer@debian:~$ ./a.out
Usage : ./a.out <filename>
acer@debian:~$ ./a.out stat.c
User id : 1000
Group id: 1000
Block size : 4096
Blocks allocated : 8
Inode no. : 523434
Last accessed : Mon Dec  2 06:02:50 2019
Last modified : Mon Dec  2 06:02:41 2019
File size : 1369 bytes
No. of links : 1
Permissions : -rw-r--r--
File type : Regular
acer@debian:~$
```

2. Menggunakan perintah system call “redaddir”

Buka — dirlist.c — Simpan

```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);
}
```

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Beranda

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```
acer@debian:~$ gcc dirlist.c
acer@debian:~$
acer@debian:~$
acer@debian:~$ gcc dirlist.c
acer@debian:~$
acer@debian:~$ ./a.out dirlist.c
dirlist.c: Not a directory
acer@debian:~$ nano dirlist.c
acer@debian:~$ gcc dirlist.c
acer@debian:~$ ./a.out dirlist.c
dirlist.c: Not a directory
acer@debian:~$ ./a.out
Usage : ./a.out <dirname>
acer@debian:~$ ./a.out dirlist
dirlist: No such file or directory
acer@debian:~$ ./a.out dirlist.c
dirlist.c: Not a directory
acer@debian:~$ ./a.out /bin/ls ls
Usage : ./a.out <dirname>
acer@debian:~$ ./a.out /bin/ls ls dirlist.c
Usage : ./a.out <dirname>
acer@debian:~$
```

"dirlist.c" dipilih (362 bita), Ruang kosong: 22,4 GB

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