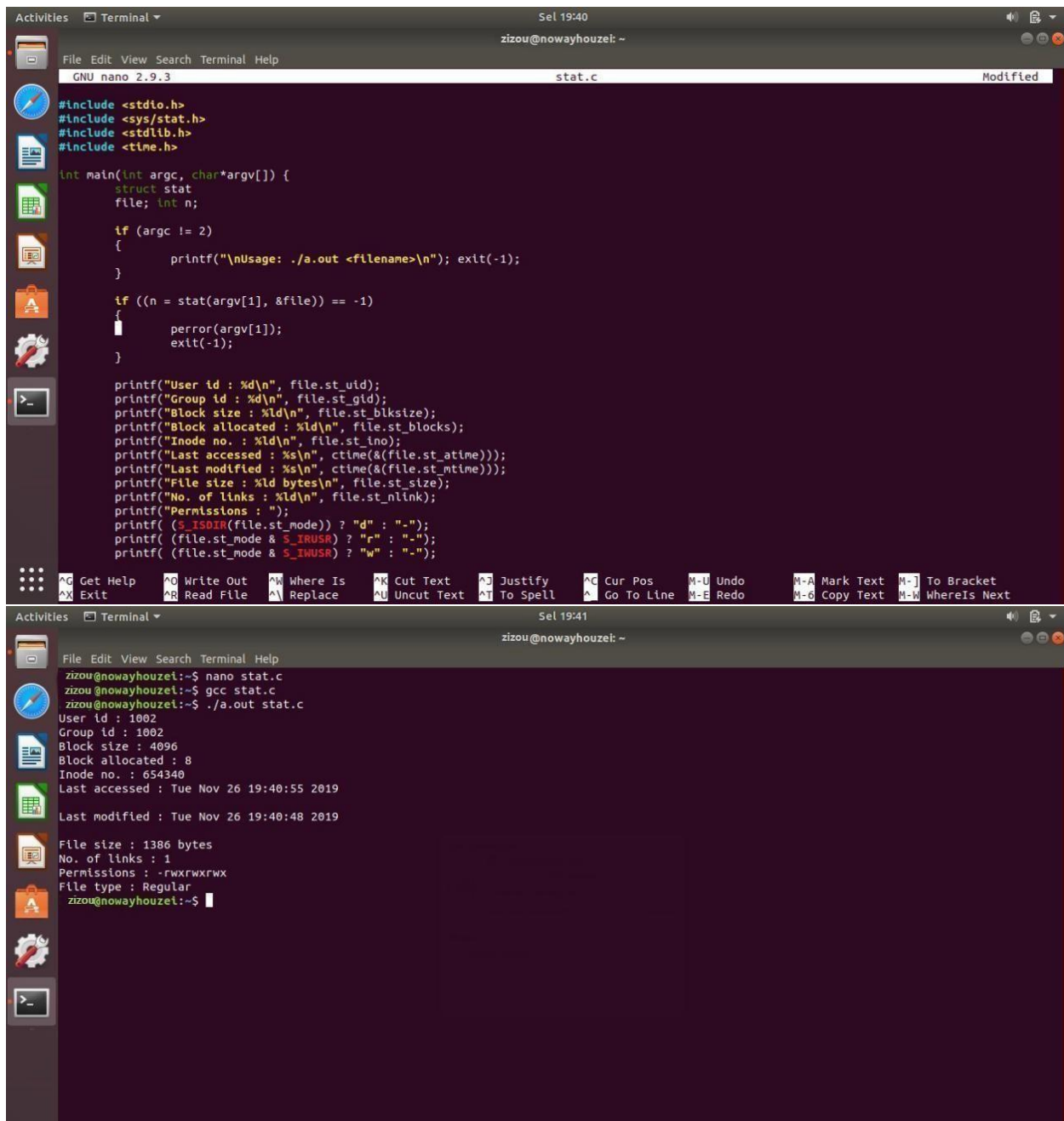


Nama : Bagus Zizou Satiaji

NIM : L200180212

Kelas : Praktikum Sistem Operasi E

MODUL 8



```
Activities Terminal Sel 19:40
zizou@nowayhouzel: ~

File Edit View Search Terminal Help
GNU nano 2.9.3 stat.c Modified

#include <stdio.h>
#include <sys/stat.h>
#include <stdlib.h>
#include <time.h>

int main(int argc, char*argv[]) {
    struct stat
    file; int n;

    if (argc != 2)
    {
        printf("\nUsage: ./a.out <filename>\n"); exit(-1);
    }

    if ((n = stat(argv[1], &file)) == -1)
    {
        perror(argv[1]);
        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("Block allocated : %d\n", file.st_blocks);
    printf("Inode no. : %d\n", file.st_ino);
    printf("Last accessed : %s\n", ctime(&(file.st_atime)));
    printf("Last modified : %s\n", 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( ($_ISDIR(file.st_mode)) ? "d" : "-");
    printf( (file.st_mode & S_IRUSR) ? "r" : "-");
    printf( (file.st_mode & S_IWUSR) ? "w" : "-");

    Get Help Write Out Where Is Cut Text Justify Cur Pos M-U Undo M-A Mark Text M-J To Bracket
    Exit Read File Replace AU Uncut Text AT To Spell Go To Line M-E Redo M-G Copy Text M-W WhereIs Next

Activities Terminal Sel 19:41
zizou@nowayhouzel: ~

File Edit View Search Terminal Help

zizou@nowayhouzel:~$ nano stat.c
zizou@nowayhouzel:~$ gcc stat.c
zizou@nowayhouzel:~$ ./a.out stat.c
User id : 1002
Group id : 1002
Block size : 4096
Block allocated : 8
Inode no. : 654340
Last accessed : Tue Nov 26 19:40:55 2019
Last modified : Tue Nov 26 19:40:48 2019
File size : 1386 bytes
No. of links : 1
Permissions : -rwxrwxrwx
File type : Regular
zizou@nowayhouzel:~$
```

```
Activities Terminal Sel 19:40
zizou@nowayhouzel: ~
GNU nano 2.9.3 stat.c Modified

    exit(-1);
}

printf("User id : %d\n", file.st_uid);
printf("Group id : %d\n", file.st_gid);
printf("Block size : %ld\n", file.st_blksize);
printf("Block allocated : %ld\n", file.st_blocks);
printf("Inode no. : %ld\n", file.st_ino);
printf("Last accessed : %s\n", ctime(&(file.st_atime)));
printf("Last modified : %s\n", ctime(&(file.st_mtime)));
printf("File size : %ld bytes\n", file.st_size);
printf("No. of links : %ld\n", file.st_nlink);
printf("Permissions : ");
printf(" (%s_IRDR(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_IRUSR) ? "r" : "-");
printf(" (file.st_mode & S_IWUSR) ? "w" : "-");
printf(" (file.st_mode & S_IXUSR) ? "x" : "-");
printf(" (file.st_mode & S_IRUSR) ? "r" : "-");
printf(" (file.st_mode & S_IWUSR) ? "w" : "-");
printf(" (file.st_mode & S_IXUSR) ? "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");
}

Activities Terminal Sel 19:41
zizou@nowayhouzel: ~
GNU nano 2.9.3 dirlist.c Modified

#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);
}
```

Activities Terminal 5:1 19:49 zizou@nowayhouzel: ~

```
File Edit View Search Terminal Help
zizou@nowayhouzel:~$ nano dirlist.c
zizou@nowayhouzel:~$ gcc dirlist.c
zizou@nowayhouzel:~$ ./a.out Batty
.
.
ini file2
ini file1
zizou@nowayhouzel:~$
```