

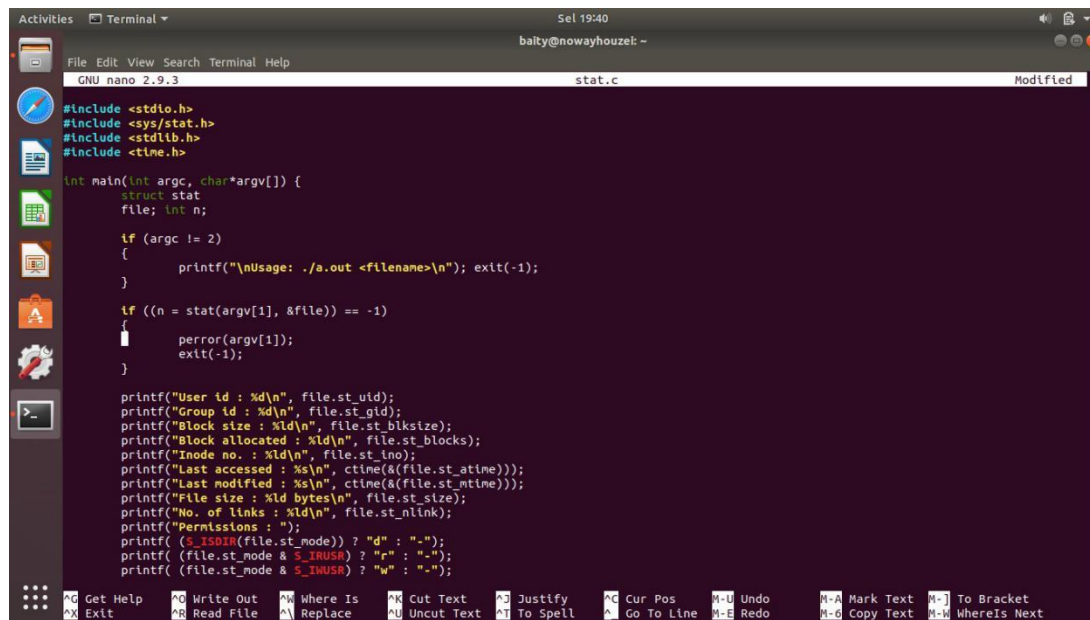
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GAMBAR 1 nano stat.c



```
Activities Terminal Sel 19:40
balty@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>

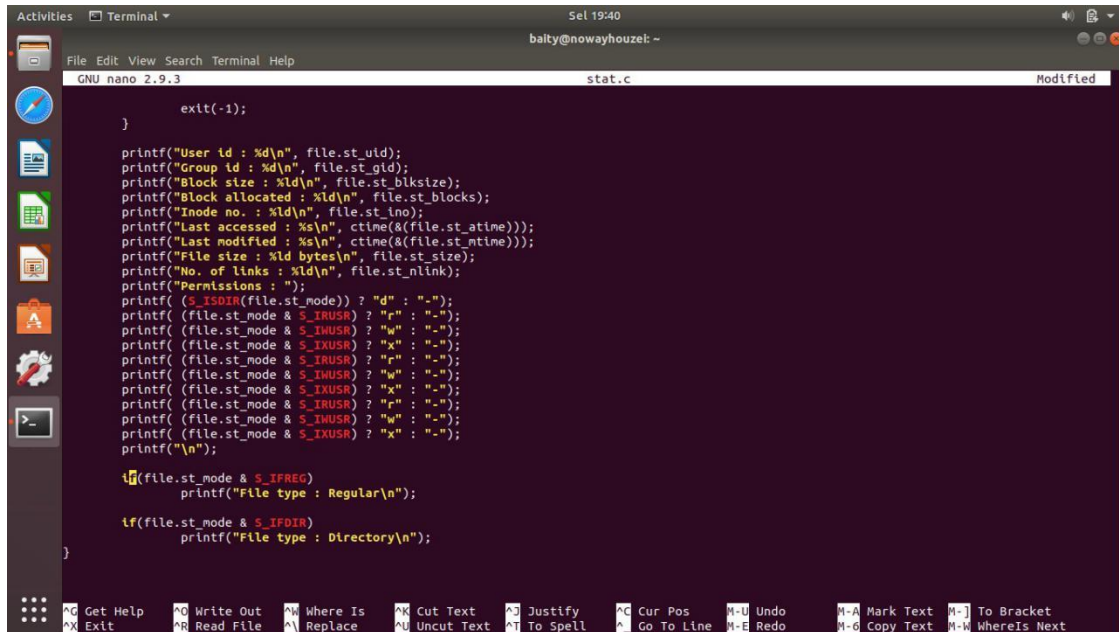
int main(int argc, char*argv[]) {
    struct stat
    file; int n;

    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( (S_ISDIR(file.st_mode)) ? "d" : "-");
    printf( (file.st_mode & S_IRUSR) ? "r" : "-");
    printf( (file.st_mode & S_IWUSR) ? "w" : "-");
}
```

GAMBAR 2 nano stat.c



```
GNU nano 2.9.3 stat.c Modified

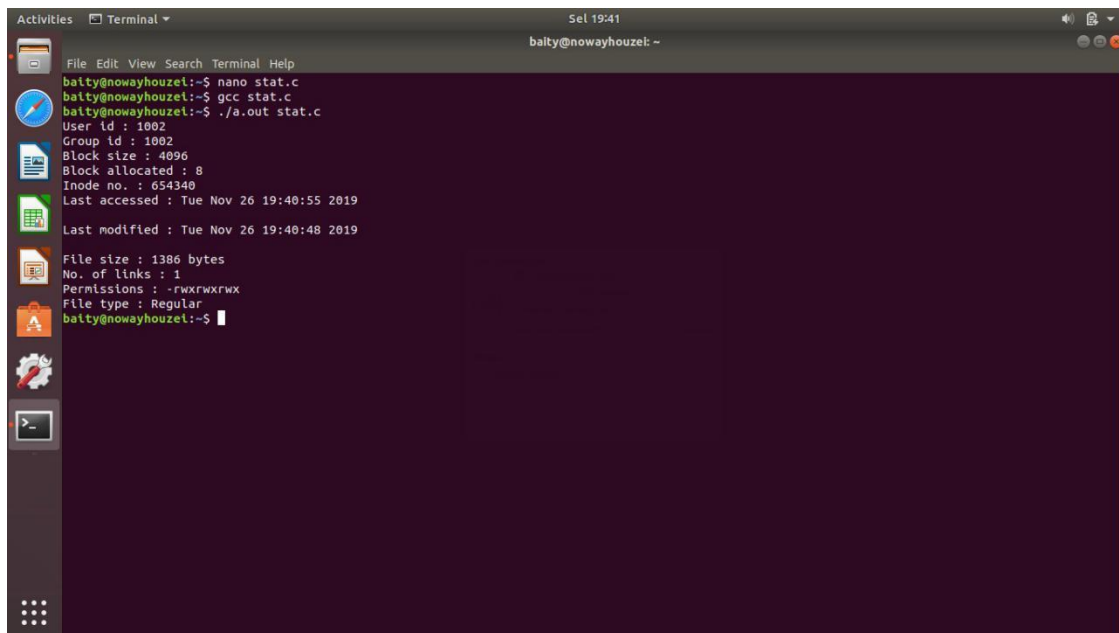
    exit(-1);
}

printf("User id : %d\n", file.st_uid);
printf("Group id : %d\n", file.st_gid);
printf("Block size : %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(("%s", 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_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");

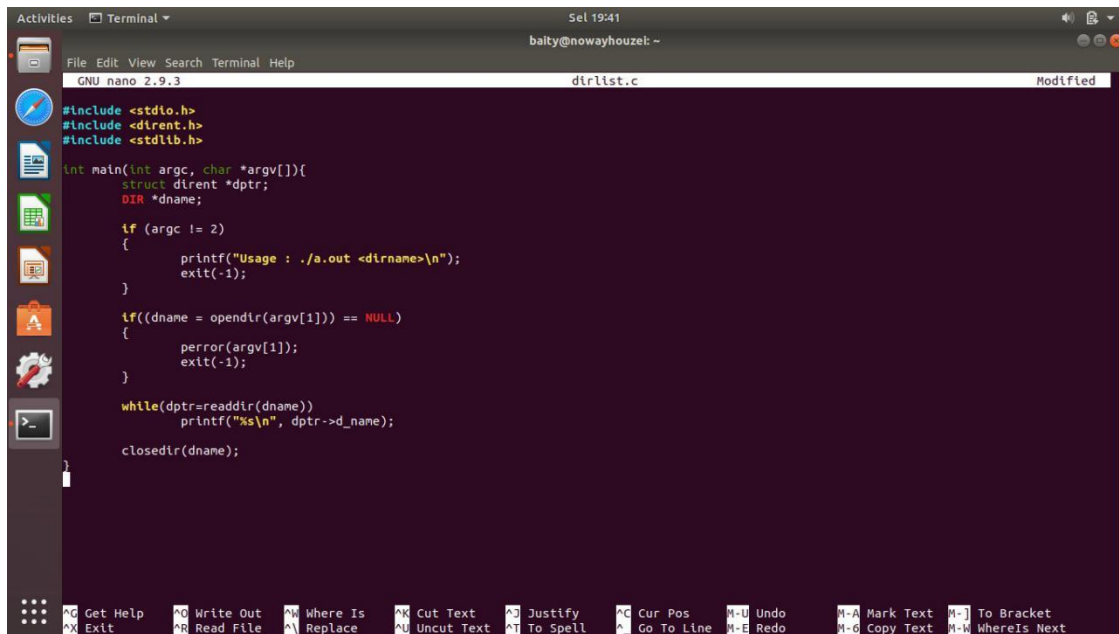
if(file.st_mode & S_IFDIR)
    printf("File type : Directory\n");
}
```

GAMBAR 3 hasil compile an dari stat.c



```
baity@nowayhouzel:~$ nano stat.c
baity@nowayhouzel:~$ gcc stat.c
baity@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
baity@nowayhouzel:~$
```

GAMBAR 1 nano dirlist.c



```
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;

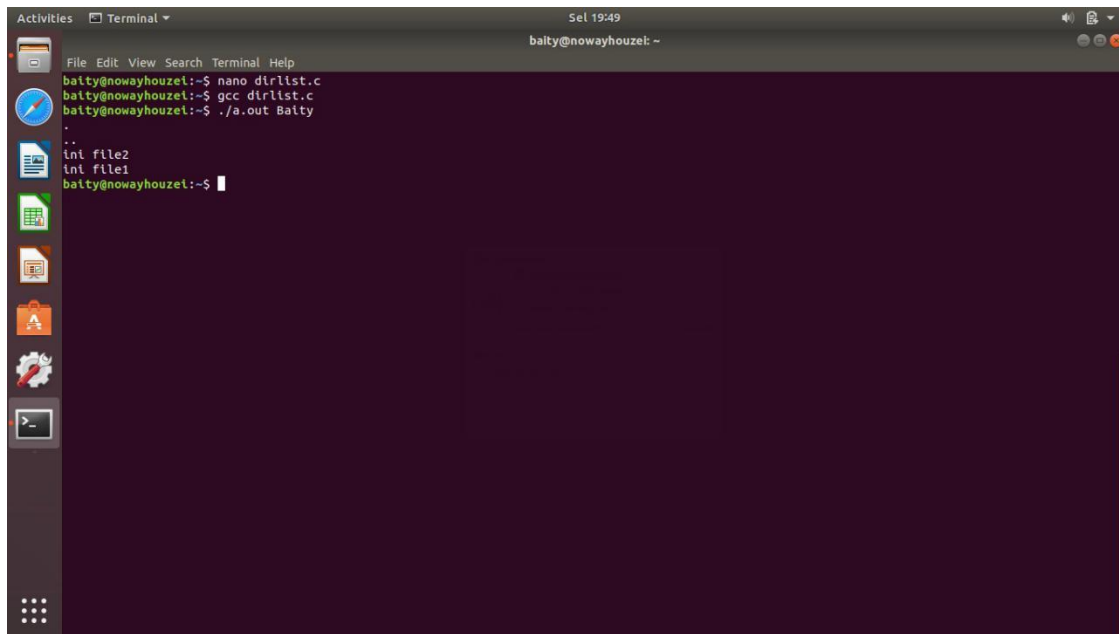
    if (argc != 2)
    {
        printf("Usage : ./a.out <dirname>\n");
        exit(-1);
    }

    if((dname = opendir(argv[1])) == NULL)
    {
        perror(argv[1]);
        exit(-1);
    }

    while(dptr=readdir(dname))
        printf("%s\n", dptr->d_name);

    closedir(dname);
}
```

GAMBAR 2 hasil compile an dari dirlist.c



```
balty@nowayhouzel:~$ nano dirlist.c
balty@nowayhouzel:~$ gcc dirlist.c
balty@nowayhouzel:~$ ./a.out Balty
..
int file2
int file1
balty@nowayhouzel:~$
```