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L200180200

Kelas E

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ubuntu [Berjalan] - Oracle VM VirtualBox
File Mesin Tilik Input Perangkat Bantuan
Terminal Terminal File Edit View Search Terminal Help

root@fadhil: /home/fadhil123
printf("file size : %d bytes\n", file.st_size);
stat.c:26:9: warning: format '%d' expects argument of type 'int', but argument 2
has type '__nlink_t {aka long unsigned int}' [-Wformat=]
printf("No.of links : %d\n", file.st_nlink);

root@fadhil:/home/fadhil123# ./a.out stat.c
user id : 0
group id : 0
block size : 4096
block allocated : 8
inode no. : 543234
last accessed : Sat Dec 21 10:50:07 2019
last modified : Sat Dec 21 10:50:03 2019
file size : 1349 bytes
No.of links : 1
permissions: -rw-r--r--
file type: Regular
root@fadhil:/home/fadhil123# gcc dirlist.c
root@fadhil:/home/fadhil123# ./a.out desktop
desktop: No such file or directory
root@fadhil:/home/fadhil123# ./a.out dirlist.c
dirlist.c: Not a directory
root@fadhil:/home/fadhil123#
```

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ubuntu [Berjalan] - Oracle VM VirtualBox
File Mesin Tilik Input Perangkat Bantuan
root@fadhil: /home/fadhil123
GNU nano 2.5.3 File: stat.c

#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("usage: ./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", 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" : "-");
}

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ubuntu [Berjalan] - Oracle VM VirtualBox
File Mesin Tilik Input Perangkat Bantuan
root@fadhil: /home/fadhil123
GNU nano 2.5.3 File: stat.c

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", 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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ubuntu [Berjalan] - Oracle VM VirtualBox
File Mesin Tilik Input Perangkat Bantuan
root@fadhil: /home/fadhil123
GNU nano 2.5.3 File: dirlist.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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