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Kelas : D

## **TUGAS PRAKTIKUM SISTEM OPERASI**

## 1. Stat.c

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                  dirlist.c
                                                            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 . &dla" - file et nid).
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              dirlist.c
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     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("Permission : ");
     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" : "-");
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                                       stat.c
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                  dirlist.c
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                                                            stat.c
        printf((File.st_mode & 5_1%U5K) : "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 : Reguler\n");
        if(file.st_mode & S_IFDIR)
        printf("File type : Directory\n");
}
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                                                  Rab, 27 Nov 2019 20:23
                             mutaz@mutaz: ~/Dokumen
Berkas Sunting Tampilan Cari Terminal Bantuan
mutaz@mutaz:~/Dokumen$ gcc stat.c
mutaz@mutaz:~/Dokumen$ ./a.out stat.c
User id : 1000
Group id : 1000
Block size: 4096
Block allocated: 8
inode no. : 313072
Last accessed : Wed Nov 27 19:44:33 2019
Last modified : Wed Nov 27 19:44:22 2019
File size : 1373 bytes
No. of links : 1
Permission : -rw-r--r--
File type : Reguler
mutaz@mutaz:~/Dokumen$
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## 2. Dirlist.c

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dirlist.c
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                 dirlist.c
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#include <stdio.h>
#include <stdlib.h>
#include <dirent.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 (dotecreaddic(doame))
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                                                 stat.c
υικ ∗aname;
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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