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```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");
}
```

```
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     ^Y Prev Page   M-\ First Line  M-W WhereIs Next
^X Exit        ^R Read File   ^\ Replace     ^U Uncut Text  ^T To Spell    ^_ Go To Line  ^V Next Page   M-/ Last Line   M-] To Bracket
```

```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);
}
```

```
                                        [ Read 21 lines ]
^G Get Help    ^O Write Out   ^W Where Is    ^K Cut Text    ^J Justify     ^C Cur Pos     ^Y Prev Page   M-\ First Line  M-W WhereIs Next
^X Exit        ^R Read File   ^\ Replace     ^U Uncut Text  ^T To Spell    ^_ Go To Line  ^V Next Page   M-/ Last Line   M-] To Bracket
```