

Date: 2-11-21:

→ way to find that given file is what type of file?

\$./a.out filename

rip
dir

\$?.mode

octal

0 10
↓
Regular file

0 0 0 0 0
↓
Sticky bit

FILE PERMISSION

\$./a.out file1

✓ 10 0 6 4 4
↓ ↓ ↓
u g o
Reg

\Rightarrow Bitmask 0 17 0000

\$./a.out file
 \hookrightarrow reg

stat(argv[1], &v)

if (lstat_mode & 0170000) == 0100000)
 Regular

0 10 0644 (2)

0 17 0000
100000) == ()

001 000
00 1 111
001 000
1 0

⇒ st-atime ⇒ last access time

⇒ st-mtime ⇒ last modification time

⇒ st-ctime ⇒ last status change time (file perm)

NOTE: If mtime is updated ctime also updated
but if ctime is updated mtime not updated

⇒ ls -l command time stamp is last modification time (mtime)

⇒ under linux it is not possible to get the file creation time.

Directory files

→ The way how we are working with files in the same way possible to work with directories.

→ If you want to open directory files in a program we can use a function opener