System calls

Friday, March 1, 2019 10:41 AM

* Lysters calls is the way uses

programs request services from the OS.

* sydero calls use software onterwyts.

- apor (filerame, made)

-> read (file, buffer, sine)

-> worte (file, buffer, size)

-> fook()

-> enecve (cood, args)

* Difference betoern software interwents (system rall)
and function calls?

dysteros calls / software to terrupts
sun'tch from user made to kernel
mode. Os needs privileged tostructions
that can be only enecuted in kound
mode.

* Functions jumps

from one function

b another but

cystern call jumps to

enecuted by the OS on keepel oracle are included on system earls.

sho(n), wos(n) are not eyetom calls mallor (size) is not eyetom calls but it might call another functions

that might be a system call.

* Enample of system calls
worte (fd, buff, n)

file beffer leseviptor size (momony range)

=> Systems call to write to disk.

=> Mesonory range - Ebuff, buff to -1]

=> Os checles whether fd is a valid file with worke permession.

→ 08 chelles if moronory range is valid.

2) of any check fails thoo it set word.