

السلام عليكم و رحمة الله

الحقيقة سؤالك هذا جميل, لاجيب عليه

هذه بعض المعلومات نتيجة

man 3 system

DESCRIPTION

`system()` executes a command specified in `command` by calling `/bin/sh -c command`, and returns after the command has been completed. During execution of the command, `SIGCHLD` will be blocked, and `SIGINT` and `SIGQUIT` will be ignored.

RETURN VALUE

The value returned is `-1` on error (e.g. `fork()` failed), and the return status of the command otherwise. This latter return status is in the format specified in `wait(2)`. Thus, the exit code of the command will be `WEXITSTATUS(status)`.

In case `/bin/sh` could not be executed, the exit status will be that of a command that does `exit(127)`.

If the value of `command` is `NULL`, `system()` returns non-zero if the shell is available, and zero if not.

`system()` does not affect the wait status of any other children.

من الواضح ان ال `process` الجديدة التي تم انشاءها "في هذه الحالة `which` تستعمل نفس ال `input pipe` و `output pipe`"

يمكنك اعادة توجيه `standard output` الى `pipe` ثم القراءة منه كتبت لك هذا الكود هو يعمل رغم ان فيه الكثير من الازغابة و هو يحتاج الى الكثير من ال `validation` ارجو ان تستفيد منه

note : this code create a new process to and connect to it through the pipe, you may notice that the usage of a thread may be cheaper. Yes, it is true, using threads is cheaper, but that is left to you as an exercise