

OS Assignment 3 - Q3

The code defines two functions - `readprocess_init()` and `readprocess_exit()` that essentially start and exit the module's functionality.

The program uses `module_param()` (included in `linux/moduleparam.h`) to pass a process (pid) as input to the module.

`readprocess_init()` →

- defines a `task_struct` as `struct task_struct *ts`
- defines a process group id and a user id as `pid_t tg` and `pid_t uid`
- calls `find_get_pid()` and `pid_task()` to fetch the `task_struct` from the input pid
- subsequent `printk()` calls print all the required details about the process

`readprocess_exit()` →

- simply prints one line indicating that the modules is exited

`module_init()` and `module_exit()` calls execute `readprocess_init()` and `readprocess_exit()` respectively.