## Kernel Module

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## Code Description

My code has two functions named My\_Module\_init() and My\_Module\_exit(). First function contains a struct task\_struct and task\_list is the pointer to the task\_struct of the process.for\_each\_process() is a macro which is used to iterate over a the list it takes the pointer of the list as a parameter. Then it has an if condition which checks if the mystring(it is the name of the process taken as command line input using module\_param() macro) is the same as the name of the process in the struct. I am comparing two strings using strcmp() function. If it is equal then I am printing the pid, user\_id , pgid and path of the process given as command line input. My\_Module\_exit() function contains a print statement which prints when the module is unloaded. At last I am using the module init() macro which is used to call the function at the time of loading and then a module\_exit() macro which is used to call the function at the time of unloading the module.