Description

The functions **find_get_pid()** and **pid_task()** are used to get the task_struct of the process. **find_get_pid()** returns the pid_struct of the process which is used by **pid_task()** to get the task_struct of the process.**kernel_write** is used for writing to the file.

The following five fields are printed in the kernel log files: pid,state,priority,exit_code,exit_signal.

User has to give the pid and address of the text file.

The function returns a value of **zero** if executed without any errors. The function returns a value of **minus one** in case of invalid pids. In case of wrong file addresses the program only prints to the log files.



```
shounakghatak@ubuntu: ~/Desktop
                                                                           File Edit View Search Terminal Help
 1225.547739] raid6: avx2x4
                              gen() 26583 MB/s
 1225.615741] raid6: avx2x4
                              xor() 11458 MB/s
 1225.683745] raid6: avx2x2
                               gen() 25555 MB/s
                              xor() 14367 MB/s
 1225.751744] raid6: avx2x2
                             gen() 20584 MB/s
 1225.819746] raid6: avx2x1
 1225.887746] raid6: avx2x1
                             xor() 13182 MB/s
 1225.955748] raid6: sse2x4
                             gen() 13762 MB/s
 1226.023766] raid6: sse2x4
                             xor() 7228 MB/s
                             gen() 11673 MB/s
 1226.091763] raid6: sse2x2
                              xor() 7071 MB/s
gen() 10306 MB/s
 1226.159783] raid6: sse2x2
 1226.227759] raid6: sse2x1
 1226.295758] raid6: sse2x1 xor() 7360 MB/s
 1226.295759] raid6: using algorithm avx2x4 gen() 26583 MB/s
 1226.295760] raid6: .... xor() 11458 MB/s, rmw enabled
 1226.295761] raid6: using avx2x2 recovery algorithm
 1226.419189] xor: automatically using best checksumming function
 1227.325285] Btrfs loaded, crc32c=crc32c-intel
 1733.843818] sched: RT throttling activated
 3077.100323] pid: 1
 3077.100326] state: 1
 3077.100327] priority: 0
 3077.100327] exit_code: 0
 3077.100328] exit_signal: 17
shounakghatak@ubuntu:~/Desktop$
```