

```
printf '*~BO *{_CIA *hXE]D *LER # @_GZY #E\\OX #^BO #FKPS #NEM\4' | ./sfrobu |  
od -ta
```

```
printf '*~BO *{_CIA\xff *hXE]D *LER # @_GZY #E\\OX #^BO #FKPS #NEM\4' | ./  
sfrobu | od -ta
```

```
growing file  
./sfrobu < /proc/self/status
```

```

[kimberls@lnxsrv07 ~/cs35L/assignment5/homework]$ ./growing < /proc/self/status
                                     (running)

Tgid:    12983
Ngid:     0
Pid:     12983
PPid:    40018
TracerPid: 0
Uid:     14183   14183   14183   14183
Gid:     130     130     130     130
FDSize:  256
Groups:  130 8 276 32 348 348 0 0 0 0 180 1940 132 1144 72 4372 4348
VmPeak:  kB
RssAnon:      kB
RssFile:      kB
RssShmem:     kB
VmHWM:  kB
VmLib:   kB
VmLck:  kB
VmData:  kB
VmExe:   kB
VmRSS:   kB
VmSize:  kB
VmSwap:  kB
VmStk:   kB
VmPin:   kB
VmPTE:   kB
Threads:      1
SigQ:    0/256738
SigPnd:  0000000000000000
ShdPnd:  0000000000000000
SigBlk:  0000000000000000
SigIgn:  0000000000000000
SigCgt:  0000000000000000
CapInh:  0000000000000000
CapPrm:  0000000000000000
CapEff:  0000000000000000
CapBnd:  00000001ffffffff
CapAmb:  0000000000000000
NoNewPrivs: 0
Seccomp:  0
Speculation_Store_Bypass: thread vulnerable
Cpus_allowed:  ffff,ffffffff
Cpus_allowed_list:  0-47
Mems_allowed:  00000000,00000000,00000000,00000000,00000000,00000000,00000000,0
00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,
00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,
00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000000
,00000000,00000000,00000000,00000000,00000000,00000000,00000000,00000003
Mems_allowed_list:  0-1
voluntary_ctxt_switches: 1
nonvoluntary_ctxt_switches: 1
Name: growing
Umask: 0022
[kimberls@lnxsrv07 ~/cs35L/assignment5/homework]$ █

```

```
printf '~BO {_CIA FKPS NEM' | ./sfrobu | od -ta
```

```
printf '~BO {_CIA FKPS NEM' | ./sfrobu -f | od -ta
```

Actual output:

```
$ printf '~B0 {_CIA FKPS NEM' | ./sfrobu | od -ta
00000000 { _ C I A sp ~ B 0 sp N E M sp F K
00000020 P S sp
00000023
```

Output after sorting (Case is ignored while sorting, -f option)(in the decoded form):

dog
lazy
Quick
The

Actual output:

```
$ printf '~B0 {_CIA FKPS NEM' | ./sfrobu -f | od -ta
00000000 N E M sp F K P S sp { _ C I A sp ~
00000020 B 0 sp
00000023
```

lseek(0, 0, SEEK_CUR);

```
[[kimberls@lnxsrv07 ~/cs35L/assignment5/homework]$ printf '~B0 *{_CIA *hXE]D *LE]
R #@_GZY #E\\OX #^B0 #FKPS #NEM\4' | ./final | od -ta
00000000 * h X E ] D sp * { _ C I A sp * ~
00000020 B 0 sp * L E R sp # N E M eot sp # @
00000040 _ G Z Y sp # F K P S sp # E \ 0 X
00000060 sp # ^ B 0 sp
00000066
[[kimberls@lnxsrv07 ~/cs35L/assignment5/homework]$ printf '~B0 *{_CIA\xFF *hXE]D]
*LER #@_GZY #E\\OX #^B0 #FKPS #NEM\4' | ./final | od -ta
00000000 * h X E ] D sp * { _ C I A del sp *
00000020 ~ B 0 sp * L E R sp # N E M eot sp #
00000040 @ _ G Z Y sp # F K P S sp # E \ 0
00000060 X sp # ^ B 0 sp
00000067
```