10/10.

2018213794 1211.

是到1.

```
judith@judith-VirtualBox:~$

Desktop Downloads hello.c Pictures Templates
Documents examples.desktop Music Public Videos
judith@judith-VirtualBox:~$
```

Vi hello、C.E. C.可是 出版工 RS 日初至 多的 神庙 性量可能到 立见 子 弘世是1及此?

```
judith@judith-VirtualBox:~S gcc -o hello hello.c
judith@judith-VirtualBox:~$ ./hello
hello world
iudith@iudith-VirtualBox:~S strace -o hello.log ./hello
hello world
judith@judith-VirtualBox:~$ cat hello.log
execve("./hello", ["./hello"], 0x7ffcffedd5c0 /* 61 vars */) = 0
brk(NULL)
                                    = 0x55585d3bc000
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
access("/etc/ld.so.preload", R OK) = -1 ENOENT (No such file or directory)
openat(AT FDCWD, "/etc/ld.so.cache", O RDONLY|O CLOEXEC) = 3
fstat(3, {st mode=S IFREG|0644, st size=79649, ...}) = 0
mmap(NULL, 79649, PROT READ, MAP PRIVATE, 3, 0) = 0x7f30a162b000
close(3)
access("/etc/ld.so.nohwcap", F OK)
                                     = -1 ENOENT (No such file or directory)
openat(AT FDCWD, "/lib/x86 64-linux-gnu/libc.so.6", O RDONLY|O CLOEXEC) = 3
read(3, "\177ELF\2\1\1\3\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\20\35\2\0\0\0\0\0"...,
832) = 832
fstat(3, {st mode=S IFREG|0755, st size=2030928, ...}) = 0
mmap(NULL, 8192, PROT READ|PROT WRITE, MAP PRIVATE|MAP ANONYMOUS, -1, 0) = 0x7f
30a1629000
mmap(NULL, 4131552, PROT READ|PROT EXEC, MAP PRIVATE|MAP DENYWRITE, 3, 0) = 0x7
f30a1025000
mmap(0x7f30a140c000, 24576, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|MAP DEN
YWRITE, 3, 0x1e7000) = 0x7f30a140c000
mmap(0x7f30a1412000, 15072, PROT READ|PROT WRITE, MAP PRIVATE|MAP FIXED|MAP ANO
NYMOUS -1. 0) = 0x7f30a1412000
```

```
close(3)
arch_prctl(ARCH_SET_FS, 0x7f30a162a4c0) = 0
nprotect(0x7f30a140c000, 16384, PROT_READ) = 0
nprotect(0x55585c531000, 4096, PROT READ) = 0
nprotect(0x7f30a163f000, 4096, PROT READ) = 0
nunmap(0x7f30a162b000, 79649)
                                        = 0
fstat(1, {st_mode=S_IFCHR|0620, st_rdev=makedev(136, 1), ...}) = 0
ork(NULL)
                                        = 0x55585d3bc000
rk(0x55585d3dd000)
                                        = 0x55585d3dd000
vrite(1, "hello world\n", 12)
                                        = 12
exit group(0)
                                        = ?
+++ exited with 0 +++
judith@judith-VirtualBox:~$
```

正到此路 婚性 過程 過程 CPUNHA intermpt 收敛. 工中, 刊到起中州 部分对是 到期, 空至中 小野 野 到 电 进到 可 . NC图里 诗则 罗伦州 -> 正列心中 四 小园 是 超短行는 Stace 時期是 导动 专业方效中、 (Stace 中型 金里里) CSHOKEE OlibaCCGNUC) libragory 水型壁 造計

此个 obe 到記 小型星 到的中 医底底 和思知) → prints() 出生工工の以 いけをし、対し 小型電気 到的这. 贵州2.

<mark>judith@judit</mark> Linux 5.4.0- _ (1 C	42-generic				1년 09월 06	일 _	_x86_64
05시 23분 00 dle	초 CPU	%user	%nic	e %syste	m %iowait	%steal	%i
05시 23분 01 .00	초 all	2.00	0.00	1.6	0.00	0.00	97
95시 23분 81 .88	초 0	2.00	0.00	9 1.6	0.00	0.00	97
Average:	CPU	%user	%nice	%system	%iowait	%steal	%idle
Average:	all	2.00	0.00	1.00	0.00	0.00	97.00
Average:	8	2.00	0.00	1.00	0.00	0.00	97.00

```
judith@judith-VirtualBox:~$ gcc -o loop loop.c
judith@judith-VirtualBox:~$ ./loop &
[1] 15857
judith@judith-VirtualBox:~$ sar -P ALL 1 1
                                               2021년 09월 06일
Linux 5.4.0-42-generic (judith-VirtualBox)
                                                                       X86 64
       (1 CPU)
96시 11분 91초
                  CPU
                                    %nice
                                            %system
                                                      %iowait
                                                                            %i
                          %user
                                                                 %steal
dle
06시 11분 02초
                  all
                         100.00
                                     0.00
                                               0.00
                                                         0.00
                                                                   0.00
                                                                             0
.00
06시 11분 02초
                    0
                                                                             0
                         100.00
                                     0.00
                                               0.00
                                                         0.00
                                                                   0.00
.00
                                                                         %idle
Average:
               CPU
                       %user
                                 %nice
                                         %system
                                                   %iowait
                                                              %steal
               all
Average:
                      100.00
                                  0.00
                                            0.00
                                                      0.00
                                                                0.00
                                                                          0.00
                      100.00
                                  0.00
                                            0.00
                                                      0.00
                                                                6.60
                                                                          0.00
Average:
                 0
judith@judith-VirtualBox:~$ kill
kill: usage: kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill
-l [sigspec]
judith@judith-VirtualBox:~$
```

小哥里 want nice 一世,对这些 安全的是一个是一个人的人的人们是一个人们们 在一种 对部间的 人名科斯里 对新洲的 人名科斯里 对自己的

去413

```
judith@judith-VirtualBox:~$ gcc -o ppidloop ppidloop.c
judith@judith-VirtualBox:~$ sar -P ALL 1 1
                                              2021년 09월 06일
Linux 5.4.0-42-generic (judith-VirtualBox)
                                                                      x86 64
       (1 CPU)
07시 84분 14초
                                                     %iowait
                  CPU
                          %user
                                    %nice
                                           %system
                                                                %steal
                                                                           %i
dle
07시 04분 15초
                  all
                           1.01
                                     0.00
                                              0.00
                                                        0.00
                                                                  6.66
                                                                           98
.99
07시 84분 15초
                    0
                           1.61
                                     0.00
                                              0.00
                                                        0.00
                                                                  0.00
                                                                           98
.99
                                                                        %idle
                                 %nice
                                        %system
                                                  %iowait
                                                             %steal
Average:
               CPU
                       %user
               all
                        1.01
                                  0.00
                                           0.00
                                                     0.00
                                                               0.00
Average:
                                                                        98.99
                                  0.00
                                                     0.00
Average:
                        1.01
                                           0.00
                                                               0.00
                                                                        98.99
                 8
```

```
judith@judith-VirtualBox:~$ gcc -o ppidloop ppidloop.c
judith@judith-VirtualBox:~$ ./ppidloop &
[1] 21754
judith@judith-VirtualBox:~$ sar -P ALL 1 1
                                              2021년 09월 06일
Linux 5.4.0-42-generic (judith-VirtualBox)
                                                                      x86 64
       (1 CPU)
67시 67분 14초
                  CPU
                                    %nice
                                           %system
                                                     %iowait
                                                                %steal
                          %user
                                                                           %i
dle
07시 07분 15초
                  all
                          67.44
                                     0.00
                                             32.56
                                                        0.00
                                                                  0.00
                                                                            0
.00
07시 07분 15초
                    0
                          67.44
                                     0.00
                                             32.56
                                                                            0
                                                        0.00
                                                                  0.00
.00
                                 %nice
                                                  %iowait
                                                             %steal
                                                                        %idle
Average:
               CPU
                       %user
                                         %system
               all
                       67.44
                                  0.00
                                           32.56
                                                     0.00
                                                               0.00
                                                                         0.00
Average:
                       67.44
                                  0.00
                                           32.56
                                                     0.00
                                                               0.00
                                                                         0.00
Average:
                 0
```

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