

UNIX511NZA Lab 5a

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Starting the parent program:

```
○ aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca/_labs/05a$ ./sysmonExec
parent:main: pid:13815
child:main: pid:13816
child:main: pid:13817
intfMonitor:main: interface:lo: pid:13816
intfMonitor:main: interface:ens33: pid:13817
intfMonitor: starting up
intfMonitor: starting up
█
```

Trying to send SIGINT and SIGTSTP Signals to the child processes:

```
● aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca$ kill -2 13816 && kill -20 13816
○ aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca$ █
```

Child processes don't stop and discard the signals:

```
○ aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca/_labs/05a$ ./sysmonExec
parent:main: pid:13815
child:main: pid:13816
child:main: pid:13817
intfMonitor:main: interface:lo: pid:13816
intfMonitor:main: interface:ens33: pid:13817
intfMonitor: starting up
intfMonitor: starting up
intfMonitor: ctrl-Z discarded
intfMonitor: ctrl-C discarded
█
```

Execution of parent process complete and children stop before parent:

```
aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca/_labs/05a$ ./sysmonExec
parent:main: pid:13815
child:main: pid:13816
child:main: pid:13817
intfMonitor:main: interface:lo: pid:13816
intfMonitor:main: interface:ens33: pid:13817
intfMonitor: starting up
intfMonitor: starting up
intfMonitor: ctrl-Z discarded
intfMonitor: ctrl-C discarded
intfMonitor: shutting down
intfMonitor: shutting down
parent:systemMonitor: status:0. The child pid:13816 has finished
parent:systemMonitor: status:0. The child pid:13817 has finished
parent:systemMonitor: status:0. The child pid:-1 has finished
parent:main(13815): Finished!
aryank1511@aryanubuntu:~/Desktop/UNIX511-Seneca/_labs/05a$
```

Network logs were written to the Network.log file:

M	Makefile U	sysmonExec.cpp U	intfMonitor.cpp U	Network.log X
_labs > 05a > Network.log				
1	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
2	lo: tx_bytes:21823053 rx_bytes:21823053 tx_packets:82015 rx_packets: 82015			
3	lo: tx_bytes:21825253 rx_bytes:21825253 tx_packets:82035 rx_packets: 82035			
4	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
5	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
6	lo: tx_bytes:21826614 rx_bytes:21826614 tx_packets:82047 rx_packets: 82047			
7	lo: tx_bytes:21830602 rx_bytes:21830602 tx_packets:82080 rx_packets: 82080			
8	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
9	lo: tx_bytes:21832067 rx_bytes:21832067 tx_packets:82094 rx_packets: 82094			
10	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
11	lo: tx_bytes:21833539 rx_bytes:21833539 tx_packets:82108 rx_packets: 82108			
12	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
13	lo: tx_bytes:21834908 rx_bytes:21834908 tx_packets:82120 rx_packets: 82120			
14	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
15	lo: tx_bytes:21836368 rx_bytes:21836368 tx_packets:82134 rx_packets: 82134			
16	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
17	lo: tx_bytes:21840887 rx_bytes:21840887 tx_packets:82174 rx_packets: 82174			
18	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
19	lo: tx_bytes:21844423 rx_bytes:21844423 tx_packets:82208 rx_packets: 82208			
20	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
21	lo: tx_bytes:21845822 rx_bytes:21845822 tx_packets:82220 rx_packets: 82220			
22	ens33: tx_bytes:0 rx_bytes:0 tx_packets:0 rx_packets: 0			
23	lo: tx_bytes:21847613 rx_bytes:21847613 tx_packets:82237 rx_packets: 82237			