

Report

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Program1:

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./abort
Process start to fork
I'm the Parent process, my pid = 2358
I'm the Child process, my pid = 2359
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGABRT program

Parent process receives SIGCHLD signal
child process get SIGABRT signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./alarm
Process start to fork
I'm the Parent process, my pid = 2409
I'm the Child process, my pid = 2410
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGALRM program

Parent process receives SIGCHLD signal
child process get SIGALRM signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./bus
Process start to fork
I'm the Parent process, my pid = 2476
I'm the Child process, my pid = 2477
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGBUS program

Parent process receives SIGCHLD signal
child process get SIGBUS signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./floating
Process start to fork
I'm the Parent process, my pid = 2503
I'm the Child process, my pid = 2504
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGFPE program

Parent process receives SIGCHLD signal
child process get SIGFPE signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./hangup
Process start to fork
I'm the Parent process, my pid = 2554
I'm the Child process, my pid = 2555
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGHUP program

Parent process receives SIGCHLD signal
child process get SIGHUP signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./illegal_instr
Process start to fork
I'm the Parent process, my pid = 2604
I'm the Child process, my pid = 2605
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGILL program

Parent process receives SIGCHLD signal
child process get SIGILL signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./interrupt
Process start to fork
I'm the Parent process, my pid = 2655
I'm the Child process, my pid = 2656
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGINT program

Parent process receives SIGCHLD signal
child process get SIGINT signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./kill
Process start to fork
I'm the Parent process, my pid = 2702
I'm the Child process, my pid = 2703
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGKILL program

Parent process receives SIGCHLD signal
child process get SIGKILL signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./normal
Process start to fork
I'm the Parent process, my pid = 2731
I'm the Child process, my pid = 2732
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the normal program

-----CHILD PROCESS END-----
Parent process receives SIGCHLD signal
Normal termination with EXIT STATUS = 0
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./pipe
Process start to fork
I'm the Parent process, my pid = 2769
I'm the Child process, my pid = 2770
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGPIPE program

Parent process receives SIGCHLD signal
child process get SIGPIPE signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./quit
Process start to fork
I'm the Parent process, my pid = 2807
I'm the Child process, my pid = 2808
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGQUIT program

Parent process receives SIGCHLD signal
child process get SIGQUIT signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./segment_fault
Process start to fork
I'm the Parent process, my pid = 2859
I'm the Child process, my pid = 2860
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGSEGV program

Parent process receives SIGCHLD signal
child process get SIGSEGV signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./stop
Process start to fork
I'm the Parent process, my pid = 2886
I'm the Child process, my pid = 2887
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGSTOP program

Parent process receives SIGCHLD signal
child process get SIGSTOP signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./terminate
Process start to fork
I'm the Parent process, my pid = 2924
I'm the Child process, my pid = 2925
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGTERM program

Parent process receives SIGCHLD signal
child process get SIGTERM signal
```

```
vagrant@csc3150:~/csc3150/Assignment1/program1$ ./program1 ./trap
Process start to fork
I'm the Parent process, my pid = 2962
I'm the Child process, my pid = 2963
Child process start to execute test program:
-----CHILD PROCESS START-----
This is the SIGTRAP program

Parent process receives SIGCHLD signal
child process get SIGTRAP signal
```