Assignment 1 report
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1. In program1, use fork() to fork a child process, then execute test program with giving information analyzing pid and signals.

    In program2, use kernel_thread to create a thread and arise process my_fork(), execute a child process then give signal,

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vagrant@csc3150:~/csc3150/program1$ ./program1 ./bus
Process start to fork
I'm the Parent Process, my pid = 2582
I'm the Child Process, my pid = 2583
Child process start to execute test program
-----------CHILD PROCESS START-----------
This is the SIGBUS program

Parent process receives SIGCHID signal
child process get SIGBUS signal
vagrant@csc3150:~/csc3150/program1$ ./program1 ./normal
Process start to fork
I'm the Parent Process, my pid = 2612
I'm the Child Process, my pid = 2613
Child process start to execute test program
-----------CHILD PROCESS START-----------
This is the normal program

-----------CHILD PROCESS END-----------
Parent process receives SIGCHID signal
Normal termination with EXIT STATUS = 0
vagrant@csc3150:~/csc3150/program1$ ./program1 ./terminat
Process start to fork
I'm the Parent Process, my pid = 2653
I'm the Child Process, my pid = 2654
Child process start to execute test program
-----------CHILD PROCESS START-----------
This is the SIGTERM program

Parent process receives SIGCHID signal
child process get SIGTERM signal
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vagrant@csc3150:~/csc3150/program1$ ./program1 ./pipe
Process start to fork
I'm the Parent Process, my pid = 2901
I'm the Child Process, my pid = 2902
Child process start to execute test program
------------CHILD PROCESS START------------
This is the SIGPIPE program

Parent process receives SIGCHID signal
child process get SIGPIPE signal
vagrant@csc3150:~/csc3150/program1$ ./program1 ./quit
Process start to fork
I'm the Parent Process, my pid = 2930
I'm the Child Process, my pid = 2931
Child process start to execute test program
------------CHILD PROCESS START------------
This is the SIGQUIT program

Parent process receives SIGCHID signal
child process get SIGQUIT signal
vagrant@csc3150:~/csc3150/program1$ ./program1 ./segment_default
Process start to fork
I'm the Parent Process, my pid = 2960
I'm the Child Process, my pid = 2961
Child process start to execute test program
Continue to run original child process
execve: No such file or directory
Parent process receives SIGCHID signal
Normal termination with EXIT STATUS = 1
vagrant@csc3150:~/csc3150/program1$ ./program1 ./stop
Process start to fork
I'm the Parent Process, my pid = 3001
I'm the Child Process, my pid = 3002
Child process start to execute test program
------------CHILD PROCESS START------------
This is the SIGSTOP program
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2. Use time to learn and search.