

Project Report
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Objectives:

- jobs: create a process control and time other process;
 - run or terminate(child) other process;
 - set CPU limit time;
 - count time for real time; sys time; user time ...
 - list all process(child)
 - could run with 4 arguments
 - suspend and resume child process
- mon: monitor the target and find all child processes under the root of target
 - kill all child process if target terminated

Design Overview:

- Jobs: wait for command → divide arguments → fork → exec → wait for command
 - Try to use switch but fail; too many if statement/
- Mon: Not reach my expect. Too many if statement

Project Status:

- Jobs: should run correctly. When exec process fail, need to terminated it and tell parent process.
- Mon: should run correctly. Check process when parent process terminated and monitor for long interval.

Testing and Results:

2 function is tested together. Run different command with multiple arguments(0-4). Suspend and resume different processes multiple times. Terminal processes. Each test will end by quit and exit to test Mon.

Acknowledgments:

Textbook; stackoverflow, CSDN, Linux man page