

Programming Project 1

CIS355 – Spring 2018

Point Value: 100 points

Assignment Due Date: **Thursday, Feb 8, 2018**

Submission Instruction

Please submit your source code file to Schoology. The name of the file should be P1_YourLastname_YourFirstname.cpp. Please submit the C++ source code file on Schoology by 11:59pm on the due day.

Program Description

Write a program that will accept the names of 3 processes as command-line arguments. Each of these processes will run for as many seconds as: $(PID\%10)*3+5$ and terminate. After those 3 children terminated, the parent process will reschedule each child. When all children have been rescheduled 3 times, the parent will terminate. Each child must print out its process id every time it runs.

Note: Your program must be compiled and executed on the Ubuntu server:
kermit.fontbonne.edu

In order to log into the server, you need a username and password. The instructor will email your username and password to each of you.

Steps to log into **kermit.fontbonne.edu**:

1. Open SSH client on your computer. (You can use computers in Ryan 303 which have SSH client)
2. Enter the hostname, username, and port number in the SSH client window just like the figure.
3. You will be prompted to enter your password. Please enter your password and enter.
4. You should log in to the server successfully.



