

Part 2- Process and Threads

Write a program that does the following:

When the program starts, it forks a new child process. The father process should wait for the child process to finish.

The main thread of the child process should spawn y additional threads, where y is the third digit of your student ID.

Each thread should print: "Thread number X " and terminate.

The main thread of the child process should wait for all its child threads to terminate. It should then print "Child process finished".

When the child process exists, the father should print "Child process exited- Goodbye" and exit.

Reference:

To create a child process use – `fork` (man `fork`)

To wait for a child process use `wait` (man `wait`)

to create a new thread use `pthread_create` (man `pthread_create`)

to wait for a child thread to exit use `pthread_join` (man `pthread_join`)