

## Problem

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Edward Nafornta

Student ID: 110076381

The problem with this code is that the matrix never gets updated from the child process modifications. This is due to the fact that when the parent process calls `fork()`, this creates the child process however, at the same time copies the code from the parent to the child process. This means that the matrix simply gets copied from child to child. This will never update the matrix upon each child iteration's multiplication factor on the matrix thus we need a way to create a way where each child can pass the matrix between each child and back to the parent process. The way this problem will be solved is using pipes. Pipes allow the transfer of information between parent and child processes which will void the issue with pass-by values (like our matrix in this lab).