Programming Problems : 3.22

Purpose : Implement The Collatz conjecture using shared memory

Input : a number n

Output : a sequence that converge to 1

OS : Linux

Capabilities :

allow the child to write the contents of the sequence to the shared-memory object.

The parent then output the sequence when the child completes

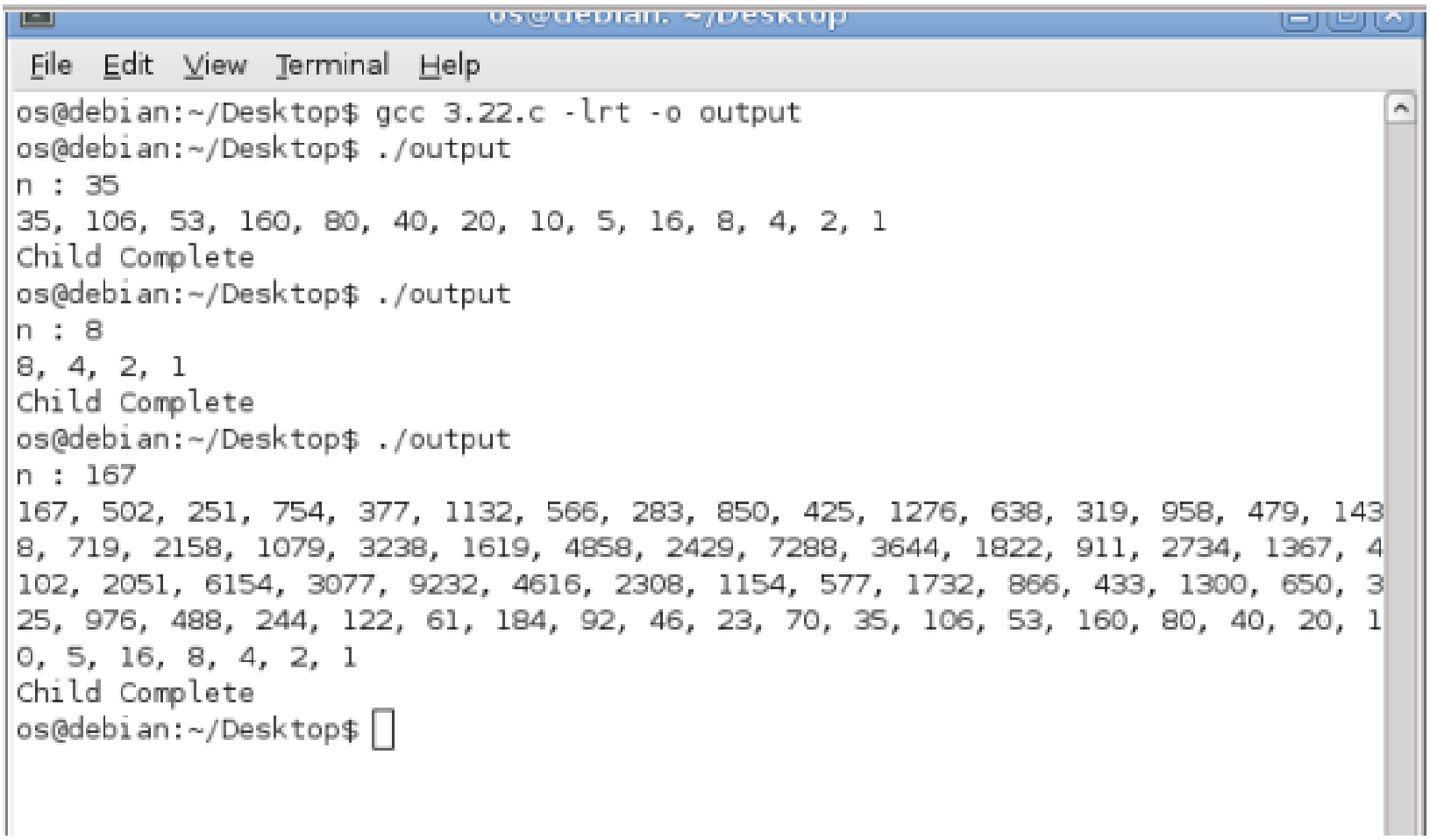
The parent process will progress through the following steps:

a. Establish the shared-memory object (shm open(), ftruncate(), and mmap()).

b. Create the child process and wait for it to terminate.

c. Output the contents of shared memory.

d. Remove the shared-memory object.



by Mina Shaigan