

Assignment 2:

To generate 25 fibonacci numbers and determine prime amongst them using pipe.

Algorithm

1. Declare a array to store fibonacci numbers
2. Decalre a array pfd with two elements for pipe descriptors.
3. Create pipe on pfd using pipe function call.
- a.If return value is -1 then stop
4. Using fork system call, create a child process.
5. Let the child process generate 25 fibonacci numbers and store them in a array.
6. Write the array onto pipe using write system call.
7. Block the parent till child completes using wait system call.
8. Store fibonacci nos. written by child from the pipe in an array using read system call
9. Inspect each element of the fibonacci array and check whether they are prime
- a.If prime then print the fibonacci term.
10. Stop