

Assignment 1

Description:

Program starts to read inputs from a file and writes the into a pipe. Then reads from the pipe and writes in a file named "output_1.txt" . Next closes the open pipe and creates another pipe. Next it reads the characters form the "output_1.txt" and writes into them into the new pipe. The first program closes the input file and opens "output_2.txt" . Then it reads from the pipe and writes to the "output_2.txt" .

Compilation:

Run make command in terminal to make executable file.

- First: compiles separately the files
 - my_pipe.h
 - my_pipe.c
 - FIFO_pipes.c that uses pthread library
- Creates a file "my_pipe.o" which links "my_pipe.h" with "my_pipe.c"
- Creates a second file "FIFO_pipes.o" which links "my_pipe.h" with FIFO_pipes
- Links the 2 files that has created "FIFO_pipes.o" and "my_pipe.o"
- Creates an executable file

Test Cases:

- small.txt
- medium.txt
- big.txt
- 1GB.bin
- input.png

Execution:

The command to execute the program is:

```
./FIFO_pipes name_of_test
```

Check the files is same with command:

```
diff3 name_of_test output_*
```