**software design**

(1) accept 2 file name from command line.

(2) create a pipe to transfer data

(3) create child process by ***fork*** system call.

(4) In parent process, we will open the input file, and read 128 bytes each times and write to pipe.

(5) In child process, we will open the write file, and read 128 bytes from pipe, and write them to both file and console.

**issue encountered**

One of the problem I met at this work is that how to use ***pipe*** to transfer data between 2 processes.

The key points are:

(1) The ***pipe*** system call will generate an array contains 2 file descriptors(fd). The first fd can only be read, the second fd can only write.

(2) We must ***close*** the write end, so that the ***read*** system call will return 0; otherwise, the ***read*** system call will be blocked.