#include<stdio.h> //including all the essential libraries

#include<sys/types.h>

#include<sys/stat.h>

#include<fcntl.h>

#include<string.h>

#include<stdlib.h>

int main( int argc, char\* argv[] )

{

    int fdone[2];

    pid\_t childid;

    char readBuff[50];

    char writeBuff[50];

    int readCounter;

    pipe( fdone );

    if( argc < 3 ) {

        printf( "Need atleast 2 parameters " );

        exit(1);

    }

    int fileOpen = open( argv[1], 0 );

    int targetFile = open( argv[2], 0666 );

    if ( fileOpen == -1 || targetFile == -1 ) {

        printf( "Opening file is failed " );

        exit(1);

    }

    childid = fork();

    if( childid == 0 ) {

         // inside the child prcocess

        close( fdone[1] );

        read( fdone[0], readBuff, sizeof( readBuff ) );

        printf( "The recived string is : %s", readBuff );

         //Writing to the target fileOpen

        write( targetFile, readBuff, strlen( readBuff ) + 1 );

    }

else

{

         // inside the parent process

 close( fdone[0] );

 while( (readCounter = read( fileOpen, readBuff, sizeof( readBuff ) ) > 0 ) )

{

        write( fdone[1], readBuff, sizeof( readBuff ) );

        }

        close( fdone[1] );

    }

}