#include <unistd.h>

#include <sys/types.h>

#include <sys/stat.h>

#include <fcntl.h>

#include <stdio.h>

#include <stdlib.h>

#include <sys/wait.h>

#include <string.h>

/\*gcc -g ejercicio1.c -o EJ1

./EJ1 - -

\*/

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

if(argc != 3){

printf("Arg. erroneos");

exit(1);

}

char buffer[50];

int fdent, fdsal, pid, fd[2],bytes;

fdent = STDIN\_FILENO;

fdsal = STDOUT\_FILENO;

if(strcmp(argv[1], "-"))//!=0

{

if((fdent = open(argv[1], O\_RDONLY)) < 0)

{

perror("Error apertura archivo");

exit(1);

}

}

if(strcmp(argv[2], "-"))

{

if((fdsal = open(argv[2], O\_WRONLY|O\_TRUNC|O\_CREAT,0666)) < 0)

{

perror("error apertura NUEVO");

exit(1);

}

}

////////////////////////////////////////////////////////////////////

if (pipe(fd) < 0)

{

perror("error PIPE");

exit(1);

}

if((pid = fork()) < 0)

{

perror("error FROK");

exit(1);

}

else

if (pid == 0)

{

close(fd[0]);

while((bytes = read(fdent, buffer, 50\*sizeof(char))) > 0)

{

if(write(fd[1],buffer,bytes \* sizeof(char)) < 0)

{

perror("error WRITE1"),exit(1);

}

}

}

else

{

close(fd[1]);

while((bytes = read(fd[0], buffer, 50\*sizeof(char))) > 0)

{

if(write(fdsal, buffer, bytes \* sizeof(char)) < 0)

{

perror("error WRITE2"),exit(1);

}

}

}

}