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1. 소스코드

#include <stdio.h>

#include <string.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#include <sys/mman.h>

#include <sys/stat.h>

#ifndef MAP\_FILE

#define MAP\_FILE 0

#endif

void serror(char \*str){ // 에러 출력 함수

fprintf(stderr, "%s\n", str);

exit(1);

}

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

int fdin, fdout;

void \*inp, \*outp;

struct stat statbuf;

if(argc != 3)

serror("usage: a.out [source file] [target file]");

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

serror("can't open file for reading");

if((fdout = open(argv[2], O\_RDWR | O\_CREAT | O\_TRUNC, S\_IRUSR | S\_IWUSR | S\_IRGRP | S\_IROTH)) < 0){ // fdout open

serror("can't creat file for reading");

}

if(fstat(fdin, &statbuf) < 0) // statbuf 저장

serror("fstat error");

if(lseek(fdout, statbuf.st\_size - 1, SEEK\_SET) == -1) //파일의 마지막으로 이동

serror("lseek() error");

if(write(fdout, "", 1) != 1) //공백 추가

serror("write() error");

if((inp = mmap(0, statbuf.st\_size, PROT\_READ, MAP\_SHARED, fdin, 0)) == (caddr\_t)-1) //mmap으로 read, shared memory

serror("mmap error for input");

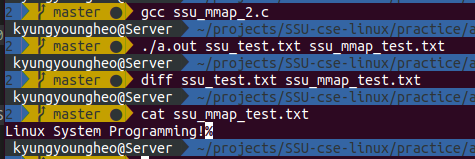
if((outp = mmap(0, statbuf.st\_size, PROT\_READ | PROT\_WRITE, MAP\_SHARED, fdout, 0)) == (caddr\_t)-1) // mmap으로 read, write, shared memory

serror("mmap error for output");

memcpy(outp, inp, statbuf.st\_size);

return 0;

}

2. 실행결과