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#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#include "calTime.h"

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

struct timeval begin\_t, end\_t;

int fd;

gettimeofday(&begin\_t, NULL);

if(argc != 3){

fprintf(stderr, "usage: %s <oldname> <newname>\n", argv[0]);

exit(1);

}

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

fprintf(stderr, "first open error for %s\n", argv[1]);

exit(1);

}

else {

close(fd);

}

if(rename(argv[1], argv[2]) < 0) {

fprintf(stderr, "rename error\n");

exit(1);

}

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

printf("second open error for %s\n", argv[1]);

}

else {

fprintf(stderr, "It's very strange!\n");

exit(1);

}

if((fd = open(argv[2], O\_RDONLY)) < 0) {

fprintf(stderr, "third open error for %s\n", argv[2]);

exit(1);

}

printf("Everything is good!\n");

gettimeofday(&end\_t, NULL);

ssu\_runtime(&begin\_t, &end\_t);

exit(0);

}

