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#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#include <sys/stat.h>

#include "calTime.h"

int main(void){

struct timeval begin\_t, end\_t;

struct stat statbuf;

char \*fname = "ssu\_myfile";

int fd;

gettimeofday(&begin\_t, NULL);

// open fname

if((fd = open(fname, O\_RDWR | O\_CREAT, 0600)) < 0){

fprintf(stderr, "open error for %s\n",fname);

exit(1);

}

close(fd);

stat(fname, &statbuf); // get statbuf

printf("# 1st stat call # UID: %d\tGID: %d\n", statbuf.st\_uid, statbuf.st\_gid);

// chown change

if(chown(fname, 501, 300) < 0){

fprintf(stderr, "chown error for %s\n",fname);

exit(1);

}

stat(fname, &statbuf); // get statbuf

printf("# 2nd stat call # UID: %d\tGID: %d\n",statbuf.st\_uid, statbuf.st\_gid);

// unlink fname

if(unlink(fname) < 0){

fprintf(stderr, "unlink error for %s\n", fname);

exit(1);

}

gettimeofday(&end\_t, NULL);

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

exit(0);

}

