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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;

char buf[64];

char \*fname = "ssu\_tempfile";

int fd;

int length;

gettimeofday(&begin\_t, NULL);

// open fname

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

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

exit(1);

}

// unlink fname

if(unlink(fname) < 0){

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

exit(1);

}

// write to fd

if(write(fd, "How are you?", 12) != 12){

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

exit(1);

}

// go to first

lseek(fd, 0, 0);

if((length = read(fd, buf, sizeof(buf))) < 0){

fprintf(stderr, "buf read error\n");

exit(1);

}

else{

buf[length] = 0;

}

printf("%s\n",buf);

close(fd);

// open fd again

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

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

exit(1);

}

else{

close(fd);

}

gettimeofday(&end\_t, NULL);

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

exit(0);

}

