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1. 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <sys/stat.h>

#include <sys/types.h>

#include <sys/time.h>

#define SEC\_TO\_MICRO 1000000

struct stat statbuf;

void ssu\_checkfile(char \*fname, time\_t \*time);

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

struct timeval begin\_t, end\_t;

time\_t intertime;

gettimeofday(&begin\_t, NULL);

if(argc != 2){

fprintf(stderr, "Usage: %s <file>\n",argv[0]);

exit(1);

}

if((stat(argv[1], &statbuf)) < 0){ // argv[1]의 stat정보를 statbuf에 저장

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

exit(1);

}

intertime = statbuf.st\_mtime; // 수정시간을 저장

while(1){

ssu\_checkfile(argv[1], &intertime); // 수정시간이 달라졌는지 확인

sleep(10);

}

gettimeofday(&end\_t, NULL);

end\_t.tv\_sec -= begin\_t.tv\_sec;

if(end\_t.tv\_usec < begin\_t.tv\_usec){

end\_t.tv\_sec--;

end\_t.tv\_usec += SEC\_TO\_MICRO;

}

end\_t.tv\_usec -= begin\_t.tv\_usec;

printf("Runtime: %ld:%ld\n",end\_t.tv\_sec, end\_t.tv\_usec);

exit(0);

}

void ssu\_checkfile(char \*fname, time\_t \*time){

if(stat(fname, &statbuf) < 0){

fprintf(stderr, "Warning : ssu\_checkfile() error!\n");

exit(1);

}

else{

if(statbuf.st\_mtime != \*time){

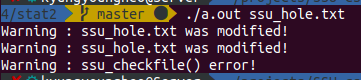
printf("Warning : %s was modified!\n",fname);

\*time = statbuf.st\_mtime;

}

}

}

2. 실행결과