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1. 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <dirent.h>

#include <fcntl.h>

#include <string.h>

#include <sys/stat.h>

#include "calTime.h"

#define DIRECTORY\_SIZE MAXNAMLEN

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

struct timeval begin\_t, end\_t;

struct dirent \*dentry;

struct stat statbuf;

char filename[DIRECTORY\_SIZE + 1];

DIR \*dirp;

gettimeofday(&begin\_t, NULL);

if(argc < 2){

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

exit(1);

}

if((dirp = opendir(argv[1])) == NULL || chdir(argv[1]) == -1){

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

exit(1);

}

while((dentry = readdir(dirp)) != NULL){

if(dentry->d\_ino == 0)

continue;

memcpy(filename, dentry->d\_name, DIRECTORY\_SIZE);

if(stat(filename, &statbuf) == -1){

fprintf(stderr, "stat error for %s\n",filename);

break;

}

if((statbuf.st\_mode & S\_IFMT) == S\_IFREG)

printf("%-14s %ld\n",filename, statbuf.st\_size);

else

printf("%-14s\n",filename);

}

gettimeofday(&end\_t, NULL);

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

exit(0);

}

2. 실행결과

