컴퓨터학부 20142468 허경영

1. 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <signal.h>

#include <setjmp.h>

static void ssu\_signal\_handler1(int signo);

static void ssu\_signal\_handler2(int signo);

sigjmp\_buf jmp\_buf1;

sigjmp\_buf jmp\_buf2;

int main(void){

struct sigaction act\_sig1;

struct sigaction act\_sig2;

int i, ret;

printf("My PID is %d\n", getpid());

ret = sigsetjmp(jmp\_buf1, 1); // setjmp 설정

if(ret == 0){

act\_sig1.sa\_handler = ssu\_signal\_handler1; // 시그널 핸들러 설정

sigaction(SIGINT, &act\_sig1, NULL); // sigaction 설정

}

else if(ret == 3)

printf("-----------------------\n");

printf("starting\n");

sigsetjmp(jmp\_buf2, 2);

act\_sig2.sa\_handler = ssu\_signal\_handler2; // 시그널 핸들러 설정

sigaction(SIGUSR1, &act\_sig2, NULL); // sigaction 설정

for(i=0; i<20; i++){

printf("i = %d\n", i);

sleep(1);

}

exit(0);

}

static void ssu\_signal\_handler1(int signo){

fprintf(stderr, "\nInterrupted\n");

siglongjmp(jmp\_buf1, 3); // longjmp 설정

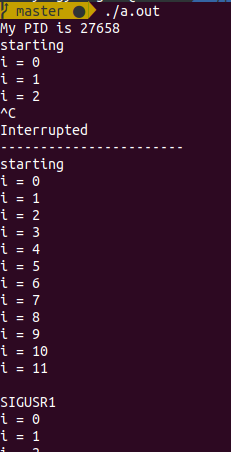
}

static void ssu\_signal\_handler2(int signo){

fprintf(stderr, "\nSIGUSR1\n");

siglongjmp(jmp\_buf2, 3); // longjmp 설정

}

2. 실행결과