컴퓨터학부 20152385 송민구

1. 소스 코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <sys/time.h>

#include <string.h>

#include <sys/resource.h>

#include "ssu\_runtime.h"

#define ssu\_show(limit) ssu\_show\_limit(limit, #limit)

void ssu\_show\_limit(int rlim\_type, char \*rlim\_name);

int main(void)

{

gettimeofday(&begin\_t, NULL);

printf(" resource soft limit hard limit \n\n"); // 각 프로세스에 적용된 한계값을 출력한다

ssu\_show(RLIMIT\_CPU);

ssu\_show(RLIMIT\_FSIZE);

ssu\_show(RLIMIT\_DATA);

ssu\_show(RLIMIT\_STACK);

ssu\_show(RLIMIT\_CORE);

#ifdef RLIMIT\_RSS

ssu\_show(RLIMIT\_RSS);

#endif

#ifdef RLIMIT\_MEMLOCK

ssu\_show(RLIMIT\_MEMLOCK);

#endif

#ifdef RLIMIT\_NPROC

ssu\_show(RLIMIT\_NPROC);

#endif

#ifdef RLIMIT\_OFILE

ssu\_show(RLIMIT\_OFILE);

#endif

#ifdef RLIMIT\_NOFILE

ssu\_show(RLIMIT\_NOFILE);

#endif

#ifdef RLIMIT\_VMEN

ssu\_show(RLIMIT\_VMEN);

#endif

gettimeofday(&end\_t, NULL);

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

exit(0);

}

void ssu\_show\_limit(int rlim\_type, char \*rlim\_name)

{

struct rlimit rlim;

char cur[11], max[11];

getrlimit(rlim\_type, &rlim);

if (rlim.rlim\_cur == RLIM\_INFINITY) {

strcpy(cur, "infinity");

}

else {

sprintf(cur, "%10llu", rlim.rlim\_cur);

}

if (rlim.rlim\_max == RLIM\_INFINITY) {

strcpy(max, "infinity");

}

else {

sprintf(max, "%10llu", rlim.rlim\_max);

}

printf("%15s : %10s %10s\n", rlim\_name, cur, max);

}

1. 실행 결과

