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1. 소스 코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <sys/time.h>

#include <errno.h>

#include <sys/types.h>

#include <sys/wait.h>

#include "ssu\_runtime.h"

#define BUFFER\_SIZE 1024

int main(void)

{

char buf[BUFFER\_SIZE];

int pid;

int pipe\_fd[2];

gettimeofday(&begin\_t, NULL);

pipe(pipe\_fd); // pipe\_fd할당

if ((pid = fork()) < 0) { // 자식을 fork()

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

exit(1);

}

else if (pid > 0) { // 부모는 write

printf(" PARENT: writing to the pipe \n");

write(pipe\_fd[1], "OSLAB", 6);

printf(" PARENT: waiting\n");

wait(NULL);

printf("\nPARENT's ");

}

else { // 자식은 read

printf(" CHILD: reading from pipe \n");

read(pipe\_fd[0], buf, 6);

printf(" CHILD: read \"%s\" \n", buf);

printf("\nCHILD's ");

}

gettimeofday(&end\_t, NULL);

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

exit(0);

}

1. 실행 결과

