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1. 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <fcntl.h>

#include <unistd.h>

#include <sys/time.h>

#define SEC\_TO\_MICRO 1000000

int main(void){

struct timeval begin\_t, end\_t;

char \*fname = "ssu\_test.txt";

int fd;

gettimeofday(&begin\_t, NULL);

if((fd = creat(fname, 0666)) < 0){

printf("creat error for %s\n",fname);

exit(1);

}

printf("First printf is on the screen.\n");

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);

dup2(fd, 1); // stdout 을 fd로 duplicate

printf("Second printf is in this file.\n");

exit(0);

}

2. 실행결과