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1. 소스코드

<ssu\_creat\_1.c>

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <fcntl.h>

#include "calTime.h"

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

struct timeval begin\_t, end\_t;

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

int fd;

gettimeofday(&begin\_t, NULL);

// fname을 666로 creat, fd를 리턴받아서 에러처리.

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

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

exit(1);

}

else{

printf("Success!\nFilename : %s\nDescriptor : %d\n", fname, fd);

close(fd);

}

gettimeofday(&end\_t, NULL);

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

exit(0);

}

<calTime.h>

#include <stdio.h>

#include <unistd.h>

#include <sys/time.h>

#define SEC\_TO\_MICRO 1000000

void ssu\_runtime(struct timeval\* begin\_t, struct timeval\* end\_t){

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);

}

2. 실행결과

