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1. 소스코드

#include <stdio.h>

#include <stdlib.h>

#include <unistd.h>

#include <sys/time.h>

#define SEC\_TO\_MICRO 1000000

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

struct timeval begin\_t, end\_t;

int i;

gettimeofday(&begin\_t, NULL);

if(argc < 2){

fprintf(stderr, "Usage: %s <file1> <file2> .. <fileN>\n",argv[0]);

exit(1);

}

for(i=1; i<argc; i++){ // argv 들에 access 할 수 있는지 확인

if(access(argv[i], F\_OK) < 0){

fprintf(stderr, "%s doesn't exist\n",argv[i]);

continue;

}

if(access(argv[i], R\_OK) == 0)

printf("User can read %s\n",argv[i]);

if(access(argv[i], W\_OK) == 0)

printf("User can write %s\n",argv[i]);

if(access(argv[i], X\_OK) == 0)

printf("User can execute %s\n",argv[i]);

}

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;

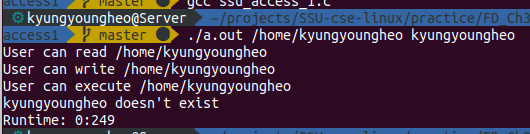
}

end\_t.tv\_usec -= begin\_t.tv\_usec;

printf("Runtime: %ld:%ld\n",end\_t.tv\_sec, end\_t.tv\_usec);

exit(0);

}

2. 실행결과