```c
#include <stdio.h>
#include <unistd.h>
#include <linux/sched.h>
#include <sys/resource.h>

/*
 * Scheduling policies defined in sched.h
#define SCHED_NORMAL     0
#define SCHED_FIFO               1
#define SCHED_RR                 2
#define SCHED_BATCH              3
 */

struct sched_param {
        int sched_priority;
};

struct sched_param s_param;

void setscheduler(void)
{

        /* call sched_getparam() to initialize s_param struct */

        /* set sched priority to 1 and schedule policy to FIFO */

        printf("Scheduler set to SCHED_FIFO with priority %i...\n", s_param.sched_priority);

        /* check for errors */
        printf("!!!Scheduler set to SCHED_FIFO with priority %i FAILED!!!\n", s_param.sched_priority);
}

int main()
{
        setscheduler();

        while(1)
        {
                printf("PID %i sleeping..\n", getpid());
                switch(sched_getscheduler(getpid()))
                {
                        case SCHED_NORMAL: printf("sched_getscheduler() = SCHED_NORMAL\n");
                                                        break;
                        case SCHED_FIFO: printf("sched_getscheduler() = SCHED_FIFO\n");
                                                        break;
                        case SCHED_RR: printf("sched_getscheduler() = SCHED_RR\n");
                                                        break;
                        case SCHED_BATCH: printf("sched_getscheduler() = SCHED_BATCH\n");
                                                        break;
                        default:
                                break;
                }

                printf("Process priority %i...\n", getpriority(PRIO_PROCESS, 0));
                sleep(5);
        }
}
```