

Project #1 – make a system call

Goal: make two system calls (getnice, setnice)

Name

getnice, setnice – get and set the nice value

Synopsis

```
int getnice(int pid);
```

```
int setnice(int pid, int value);
```

Description

The getnice() function obtain the nice value of a process. The setnice() function set the nice value of a process.

The default nice value is 20. Lower nice values cause more favorable scheduling. The range of valid nice values is [0, 40].

Return value

getnice: Return the nice value of a process on success. Return -1 if there is no process corresponding to the pid.

setnice: Return 0 on success. Return -1 if there is no process corresponding to the pid or the nice value is out of range.