README FILE – INSTRUCTIONS TO RUN

NICE USAGE:

To execute the nice command.

$nice [pid] [priority]   (PRESS ENTER)

To execute the nice test case

$nice_test   (PRESS ENTER)

TICKETS USAGE:

$tickets [pid] [priority]

RANDOM USAGE:

To execute the random testcase1(generated only 1 random number)

$random [int max]

To execute the random testcase2(generates 1000 random numbers)

$random_test [int max]

SCHEDULER USAGE:

To use lottery scheduler:
Change value of xscheduler to 1 in param.h

```c
C param.h > ...
1    #define NPROC        64  // maximum number of processes
2    #define KSTACKSIZE 4096  // size of per-process kernel stack
3    #define NCPU          8  // maximum number of CPUs
4    #define NOFILE       16  // open files per process
5    #define NFILE       100  // open files per system
6    #define NINODE       50  // maximum number of active i-nodes
7    #define NDEV         10  // maximum major device number
8    #define ROOTDEV       1  // device number of file system root disk
9    #define MAXARG       32  // max exec arguments
10   #define MAXOPBLOCKS  10  // max # of blocks any FS op writes
11   #define LOGSIZE      (MAXOPBLOCKS*3)  // max data blocks in on-disk log
12   #define NBUF         (MAXOPBLOCKS*3)  // size of disk block cache
13   #define FSSIZE      1000  // size of file system in blocks
14   #define xscheduler    1
15
```

And run make

$make

Then
$make qemu-nox

To use default scheduler(round robin):

Change value of xscheduler to 0 in param.h

```
C  param.h M  ✕

C param.h > ☰ xscheduler
  1    #define NPROC         64  // maximum number of processes
  2    #define KSTACKSIZE 4096  // size of per-process kernel stack
  3    #define NCPU           8  // maximum number of CPUs
  4    #define NOFILE        16  // open files per process
  5    #define NFILE        100  // open files per system
  6    #define NINODE        50  // maximum number of active i-nodes
  7    #define NDEV          10  // maximum major device number
  8    #define ROOTDEV        1  // device number of file system root disk
  9    #define MAXARG        32  // max exec arguments
 10    #define MAXOPBLOCKS   10  // max # of blocks any FS op writes
 11    #define LOGSIZE       (MAXOPBLOCKS*3)  // max data blocks in on-disk log
 12    #define NBUF          (MAXOPBLOCKS*3)  // size of disk block cache
 13    #define FSSIZE       1000  // size of file system in blocks
 14    #define xscheduler     0
 15
```

And run make

$make

Then
$make qemu-nox

To Run lottery test cases(lot1,lot2,lot3)

To run test case1:
$lot1

To run testcase2:
$lot2

To run testcase3:
$lot3