Test cases

1:- it is showing number of process and there state. list all the information on a process: name, process state, process id, and memory usage.

```
 $ ps ; cat README
name     pid      state          memory
init      1        SLEEPING      12 KB
 sh       2        SLEEPING      16 KB
 sh       17       SLEEPING      48 KB
 ps       18       RUNNING       12 KB
 xv6 is a re-implementation of Dennis Ritchie's and Ken Thompson's Unix
Version 6 (v6).  xv6 loosely follows the structure and style of v6,
but is implemented for a modern x86-based multiprocessor using ANSI C.

ACKNOWLEDGMENTS

xv6 is inspired by John Lions's Commentary on UNIX 6th Edition (Peer
to Peer Communications; ISBN: 1-57398-013-7; 1st edition (June 14,
2000)). See also http://pdos.csail.mit.edu/6.828/2012/v6.html, which
provides pointers to on-line resources for v6.

xv6 borrows code from the following sources:
    JOS (asm.h, elf.h, mmu.h, bootasm.S, ide.c, console.c, and others)
    Plan 9 (entryother.S, mp.h, mp.c, lapic.c)
    FreeBSD (ioapic.c)
    NetBSD (console.c)
```

2:- when we are running 2 command using pipe redirection:-

```
 $ ps|ls
name     pid      state          memory
init      1        SLEEPING      12 KB
 sh       2        SLEEPING      16 KB
 sh       5        SLEEPING      48 KB
 ps       6        RUNNING       12 KB
 sh       7        RUNNING       48 KB
 .                 1 1 512
..                 1 1 512
README             2 2 1929
cat                2 3 10676
echo               2 4 10148
forktest           2 5 6712
grep               2 6 11980
init               2 7 10452
kill               2 8 10164
ln                 2 9 10128
ls                 2 10 11820
mkdir              2 11 10220
rm                 2 12 10200
sh                 2 13 18444
stressfs           2 14 10588
usertests          2 15 40680
wc                 2 16 11000
ps                 2 17 9992
zombie             2 18 9936
console            3 19 0
```