Execution Time

Write a user program exectime.c to present the real time (also called clock time) spent on executing a shell command. Print the start time and completion time in terms of the ticks.

- It should be executed within xv6.
- In xv6, only Makefile can be changed.
- It is ok if the output contains some other information.
- The number of command line arguments for exectime should not be fixed.

Use xv6 system calls: uptime, fork, exec, wait. Pay attention to their syntax (could be different from Unix).

Sample run (the output of the *ls* command could be different):

```
$ exectime
usage: exectime command argument-list
$ exectime ls
uptime: 1355
.              1 1 1024
..             1 1 1024
README         2 2 2305
cat            2 3 41632
echo           2 4 40512
forktest       2 5 16000
grep           2 6 45064
init           2 7 40968
kill           2 8 40424
ln             2 9 40240
ls             2 10 43576
mkdir          2 11 40488
rm             2 12 40472
sh             2 13 63048
stressfs       2 14 41352
usertests      2 15 189104
grind          2 16 56240
wc             2 17 42552
zombie         2 18 39848
uname          2 19 39976
vaddr          2 20 40232
exectime       2 21 40680
midterm        2 22 40048
stdiotest1     2 23 41304
stdiotest2     2 24 40344
stdiotest3     2 25 40400
mem            2 26 40648
pstate         2 27 39712
ps             2 28 39696
set            2 29 40192
pi             2 30 40496
console        3 31 0
uptime: 1357
$
```

Submission: a zipped file named firstname_lastname.zip containing exectime.c and Makefile.