

README

Compile xv6 using the *make qemu-nox* command.

Files used for testing: try1.c and try2.c

- try1 consists of a while loop that runs for exactly 300 clock ticks. (Using the uptime() function)
- The program prints out “try1 breaking” after it is done with the while loop.
- alsonice(500) is declared before the loop starts, so the process gets assigned 500 time slices to run for at the maximum before yielding the cpu to another process.

try2 consists of just a printf command that prints out when it runs.

To test the functioning of alsonice(), we run the following command:

```
try1 &try2 &
```

We use the ampersand to have both the processes running in the background.

Expected output without alsonice():

```
try2 breaking  
try1 breaking
```

Expected outcome with alsonice(500):

```
try1 breaking  
try2 breaking
```

This test proves the successful implementation of alsonice() as it makes sure that try1 does not give up the cpu until it finishes the while loop, which runs for a lesser amount of time than the amount of timeslices assigned to it using alsonice(500).