This process scheduler is capable of running on a specific Ubuntu virtual machine.

Example of using FCFS with 2 cpu processor:

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Total Context Switches: 94
Total execution time: 70.3 s
Total time spent in READY state: 393.7 s
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After all processes have finished running, the scheduler displays the statistics above so that programmers can compare the efficiency of different scheduling strategies and the effect of using more CPUs.

Example of using Round Robin with 8 CPUs with a 400ms timeslice:

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Total Context Switches: 226
               execution time: 62.5 s
 otal time spent in READY state: 228.1 s
```

The scheduler can use 2, 4, or 8 CPUs and can currently use FCFS or Round Robin scheduling strategies