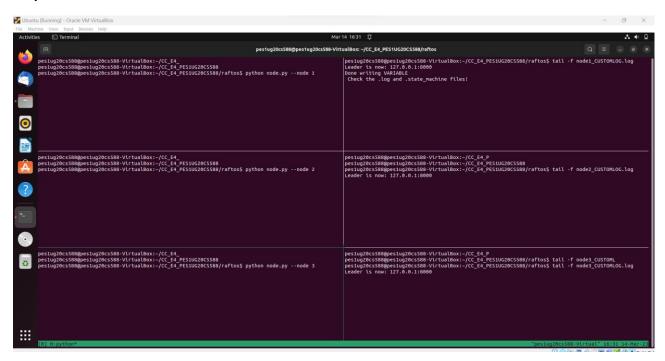
## **Lab Experiment 4: The Raft Consensus Algorithm**

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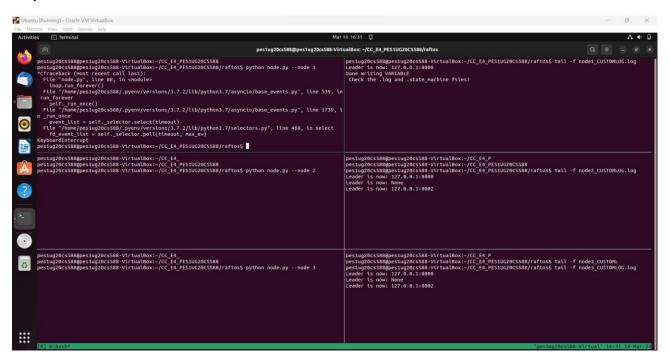
1a: Pyenv installed and local Python version changed to 3.7.2

```
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ ls -a
... raftos
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ python -V
Python 3.7.2
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ pyenv versions
    system
* 3.7.2 (set by /home/pes1ug20cs588/.pyenv/version)
    3.8-dev
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ pyenv local 3.7.1
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ python -V
Python 3.7.2
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ la -a
... .python-version raftos
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$ ls -a
... .python-version raftos
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$
pes1ug20cs588@pes1ug20cs588-VirtualBox:~/CC_E4_PES1UG20CS588$
```

2a: Initial leader election has occurred, and first value has replicated.



2b) Leader crashed, new leader elected, and second value replicated.



2c) Old leader comes back online, but becomes a follower instead and updates its old state

to its new state.

