LAB 06: CONCORRÊNCIA E PARALELISMO (11158)

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◇ Use `jupyterlab` and a simple `Hadoop` cluster
to complete MapReduce exercises
  ▷ Word frequency counts

  ▷ Web log analysis

Local web application for
running applications as
isolated code segments

◇ Assignment PDF:
https://github.com/MEI-CP/lab-assignments/

◇ Key tasks:
  ▷ Install `jupyterlab`

  ▷ Work on MapReduce exercises using local
    Hadoop cluster

LAST TIME: MAPREDUCE

- ◇ Implement image manipulation software in CUDA

- ◇ Use Docker for running GPU simulator

- ◇ Assignment PDF:
  https://github.com/MEI-CP/lab-assignments/

- ◇ Key tasks (instructions in PDF):
  - ▷ Install Docker
  - ▷ Run GPU simulator container
  - ▷ Work through assignment

CUDA IMAGE MANIPULATION

For those that finish using the docker:
- ◇ Try running your implementations on the GPU cluster

- ◇ Ask for your access credentials

Key takeaways: Develop understanding of how to implement parallelisation using CUDA and GPUs.

Remember: My office hours are 14:00-16:30 on Tuesdays (P2:17)

See you next week!