OPERATING SYSTEMS

Assignment 2

Using the framework made in assignment 1, implement the following.

Assignment 2A: Consider the attached code for computing the temperature distribution using heat transfer equations
for a 2D plate. It solves the 2D Poisson's equation. The code is attached (jacob.c).

You need to parallelize it, using unicast and multicast communication (use barriers). Then you need to plot the performance vs
the number of processes.

https://en.wikipedia.org/wiki/Barrier_(computer_science)

Assignment 2B: Implement the Maekawa algorithm for mutual exclusion.
Details here: http://www.cse.iitd.ac.in/~srsarangi/col_819_2017/index.html
Also search the web.

2A-Supplement material.pdf

Submission status

Submission status	No attempt
Grading status	Not graded
Due date	Friday, 15 March 2019, 11:59 PM
Time remaining	11 days 1 hour
Last modified	-
Submission comments	Comments (0)

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