Lesson 5.4 Instructor Guide

- 1. (ppt) Slides Contain:
 - a. Learning Objectives
 - b. Explanation of the problem Sequential
 - c. Explanation of how to parallelize the problem
- 2. Code is written in C
 - a. How to compile and run the code is explained directly on the slides with the command line compiler instruction
 - b. The environment used :CPU type, GPU type, OS, Compiler version (gcc, CUDA, MPI, OpenMP) is also on the slides
- 3. (mp4) Video Lecture:
 - a. Narration of the slides
- 4. Code:
 - a. Implementation of the example explained in the slides
 - b. Code available for download
- 5. We do provide suggestions for students' questions and assessments, instructors are encouraged to use them or to design their own.
- 6. Type of rubric for the sample assessment.

Code Compilation	If code compiles receive 5 pts	0 points no more grading	
Code Organization	Code well commented, indented and readable 10 pts	Some comments, indentation and readable 5 points	No comments No readable 0 points
Code Running no warnings	10 points		
Code Produces correct Result	If yes 60 points		
Execution time measures provided	15		

7. Note of code: to simplify the code myRows=ROWS/numProcess should return an integer, so ROWS should be divisible by numProcess

Lesson 5.4: Common Pitfalls for Students and Instructors

- Parallelizing the outer loop the one that controls iterations
- Sending/receiving the last and first column backward