Mini-Quiz Week 10

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You can preview this quiz, but if this were a real attempt, you would be blocked because:

This quiz is not currently available

Question 1

Not yet answered
Marked out of 1
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Which command does one use to compile a program called prog.c that has both MPI and OpenMP code?

Select one:

- a. mpicc -fopenmp prog.c
- b. It is not possible to compile a program that has both MPI and OpenMP code.
- c. None of the other answers.
- d. MPI-OpenMPcc prog.c
- e. cc -fopenmp prog.c

Question 2

Not yet answered
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When we parallelized the Sieve of Eratosthenes as a Scatter/Gather pattern, what did we have to do with the "marked" array?

Select one:

- a. Scatter it
- b. Apply a stencil to it
- c. Broadcast and reduce it
- d. None of the other answers
- e. Send it via pipeline

Question 3

Not yet answered
Marked out of 1
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Which pattern did we apply to Prim's and Dijkstra's graph algorithms for computing the minimum spanning tree and the single source shortest path?

Select one:

- a. Pipeline
- b. Scatter/Gather
- c. Divice and Conquer
- d. All-to-All
- e. Stencil

Question 4

Not yet answered
Marked out of 1
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What is the complexity of the *sequential* version of the Sieve of Eratosthenes algorithm?

Select one:

- a. $O(n)$
- b. $O(\sqrt{n}\sqrt{\sqrt{n}})$
- c. $O(n\sqrt{n})$
- d. $O(\sqrt{n})$

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Moodle Docs for this page

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