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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

The Paraguin compiler translates a program into _____.

Select one:

- a. A parallel program using OpenMP suitable for running on a shared-memory system
- b. A sequential program using gcc suitable for running on a single processor system
- c. A parallel program using CUDA suitable for running on GPUs
- d. A parallel program using MPI suitable for running on a distributed-memory system

Question 2

Not yet answered

Marked out of 1

What is the default chunksize the Paraguin compiler uses to parallelize a **for** loop with N iterations on P processors?

Select one:

- a. N/P
- b. $\lfloor P/N \rfloor$
- c. $\lceil P/N \rceil$
- d. $\lfloor N/P \rfloor$
- e. $\lceil N/P \rceil$

Question 3

Not yet answered

Marked out of 1

When creating a function using the Paraguin compiler that needs to be executed by all processors, you must do which of the following?

Select one:

- a. Place the function declaration inside a parallel region
- b. Compute the average of the 4 neighboring points
- c. Broadcast the function
- d. Specify the number of processors in the job description file
- e. Place the call to the function within a parallel region

Question 4

Not yet answered

Marked out of 1

With the Paraguin compiler, which pragma statement will declare a parallel region?

Select one:

- a. `#pragma omp parallel`
- b. `#pragma paraguin parallel`
- c. `#pragma paraguin begin_parallel`
- d. `#pragma paraguin forall`

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