

Question 1

Correct

Mark 1.00 out of 1.00

Mark the assertions that are true.

Select one or more:

- ☒ In parallel computing, an embarrassingly parallel workload, or embarrassingly parallel problem, is one for which little or no effort is required to separate the problem into a number of parallel tasks. This is often the case where there exists no dependency between those parallel tasks. ✓
- ☒ Embarrassingly parallel problems tend to require little or no communication of results between tasks, and are thus different from distributed computing problems that require communication between tasks, especially communication of intermediate results ✓

The correct answers are: In parallel computing, an embarrassingly parallel workload, or embarrassingly parallel problem, is one for which little or no effort is required to separate the problem into a number of parallel tasks. This is often the case where there exists no dependency between those parallel tasks., Embarrassingly parallel problems tend to require little or no communication of results between tasks, and are thus different from distributed computing problems that require communication between tasks, especially communication of intermediate results

Question 2

Correct

Mark 1.00 out of 1.00

Mark the assertions that are true

Select one or more:

- ☒ Load balancing is achieved when there is an even (equitable) distribution of the work to be done in the tasks originated in a parallel decomposition among the processors in a parallel system. ✓
- ☒ Load imbalance is one of the sources of performance loss in HPC systems and applications. ✓

The correct answers are: Load balancing is achieved when there is an even (equitable) distribution of the work to be done in the tasks originated in a parallel decomposition among the processors in a parallel system.
, Load imbalance is one of the sources of performance loss in HPC systems and applications.