1. What is parallel computing?

Answer: Parallel computing is the discipline of building the hardware architectures, operating systems, and specialized algorithms for running a program on a cluster of processors.

True or False: Before it can execute, a thread’s class must implement a run method.

Answer: True

1. Threads that interact by sharing data are said to have what kind of relationship?
2. parallel/perpendicular
3. consumer/producer
4. synchronization/producer
5. producer/consumer

Answer: d. producer/consumer relationship

1. Which thread method executes when the thread acquires the CPU?
2. getName()
3. run()
4. start()
5. isAlive()

Answer: b. run()

1. Which of the following is used to maintain a lock on a resource?
2. SharedCell
3. getData
4. release
5. Condition

Answer: d. Condition

1. When Python sees which type of expression, it creates a function to be applied later?
2. SharedCell
3. lambda
4. beginread
5. endwrite

Answer: b. lambda

1. True or False: When developing a network application, the programmer can first try it out on a virtual host—that is, on a standalone computer that may or may not be connected to the Internet.

Answer: False -> the programmer can first try it out on a local host