1.

Which of the following is the best description of why it is important to learn about the foundations in big data?



Since foundations can be retained for a long time, Hadoop should be learned.



Foundations stand the test of time.



Understanding of practical concepts in Hadoop allows solid foundation.



Foundations allow understanding of practical concepts in Hadoop.

**Correct Response**

See [this video](https://www.coursera.org/learn/intro-to-big-data/lecture/PnWo8/getting-started-why-worry-about-foundations) to review.

2.

What is the benefit of a commodity cluster?



Much faster than a traditional super computer.



Prevents network connection failure.



Cost Effective

**Correct Response**

See [this video](https://www.coursera.org/learn/intro-to-big-data/lecture/YWFQL/scalable-computing-over-the-internet) to review.



Prevents individual component failures.

3.

What is a way to enable fault tolerance?



Distributed Computing



System Wide Restart



Better LAN Connection



Data-Parallel Job Restart

**Correct Response**

See [this video](https://www.coursera.org/learn/intro-to-big-data/lecture/YWFQL/scalable-computing-over-the-internet) to review.

4.

What is **NOT** a benefit specific to a distributed file system?



High Fault Tolerance



Data Scalability



High Concurrency



Large Storage

**Correct Response**

This is not a benefit specific to DFS, it is a benefit to long-term information storage, which is a more general idea. See [this video](https://www.coursera.org/learn/intro-to-big-data/lecture/HYZj8/what-is-a-distributed-file-system) to review.

5.

Which of the following is**NOT**a general requirement for a programming language in order to support big data models?



Support Big Data Operations



Utilize Map Reduction Methods

**Correct Response**

See [this video](https://www.coursera.org/learn/intro-to-big-data/lecture/Fk8F0/programming-models-for-big-data) to review.



Optimization of Specific Data Types



Handle Fault Tolerance



Enable Adding of More Racks