# Foundations for Big Data

**5/5** points earned (100%)

Quiz passed!

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1 / 1 points

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.

1 / 1 points

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.

1 / 1 points

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.

1 / 1
points

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.

1 / 1
points

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