✓ **Congratulations! You passed!**

**Grade received** 100%    **Latest Submission Grade** 100%    **To pass** 80% or higher

**Go to next item**

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**1.** Which of the following is the best description of why it is important to learn about the foundations for big data?    1 / 1 point

- ○ Foundations stand the test of time.
- ○ Foundations help you revisit calculus concepts required in the understanding of big data.
- ● Foundations allow for the understanding of practical concepts in Hadoop.
- ○ Foundations is all that is required to show a mastery of big data concepts.

✓ **Correct**
See this video ↗ to review.

**2.** What is the benefit of a commodity cluster?    1 / 1 point

- ● Enables fault tolerance
- ○ Much faster than a traditional super computer
- ○ Prevents network connection failure
- ○ Prevents individual component failures

✓ **Correct**
See this video ↗ to review.

**3.** What is a way to enable fault tolerance?    1 / 1 point

- ○ Better LAN Connection
- ● Redundant Data Storage
- ○ System Wide Restart
- ○ Distributed Computing

✓ **Correct**
See this video ↗ to review.

**4.** What are the specific benefit(s) to a distributed file system?    1 / 1 point

- ☑ Data Scalability

✓ **Correct**
See this video ↗ to review.

- ☐ Large Storage
- ☑ High Concurrency

✓ **Correct**
See this video ↗ to review.

- ☑ High Fault Tolerance

✓ **Correct**
See this video ↗ to review.

**5.** Which of the following are general requirements for a programming language in order to support big data models?    1 / 1 point

- ☑ Optimization of Specific Data Types

✓ **Correct**
See this video ↗ to review.

- ☐ Utilize Map Reduction Methods
- ☑ Handle Fault Tolerance

✓ **Correct**
See this video ↗ to review.

- ☑ Support Big Data Operations

✓ **Correct**
See this video ↗ to review.

- ☑ Enable Adding of More Racks

✓ **Correct**
See this video ↗ to review.