

Quiz 4 - Foundations for Big Data

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

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

2. What is the benefit of a commodity cluster?

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

3. What is a way to enable fault tolerance?

- Distributed Computing
- System Wide Restart
- **Data Parallel Job Restart**
- Better LAN Connection

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

- **High Fault Tolerance**
- Large Storage
- **High Concurrency**
- **Data Scalability**

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

- Utilize Map Reduction Methods
- **Support Big Data Operations**
- **Enable Adding of More Racks**
- **Optimization of Specific Data Types**
- **Handle Fault Tolerance**