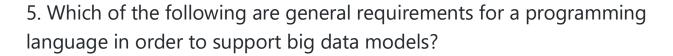
Quiz 4 - Foundations for Big Data

- 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



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