✅ **Congratulations! You passed!**

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

[Go to next item]

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1. The desired characteristics of a BDMS include (select all that apply):

1 / 1 point

☐ Narrow range of query sizes

☑ Support for common "Big Data" data types

✓ **Correct**

☑ Continuous data ingestion

✓ **Correct**

☐ Support for ACID

☑ A full query language

✓ **Correct**

☑ A flexible semi-structured data model

✓ **Correct**

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2. Fill in the blank with the best answer: CAP theorem states that _____ all at once within a distributed computer system?

1 / 1 point

◯ it is necessary to have consistency, availability, and partition tolerance

◯ it is necessary to have consistency, accuracy, and partial tolerance

◉ it is impossible to have consistency, availability, and partition tolerance

◯ it is impossible to have consistency, accuracy, and partial tolerance

✓ **Correct**
For more information related to this concept, please click here.

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3. What is the purpose of the acronym BASE?

1 / 1 point

◯ To overcome CAP theorem.

◉ To impose properties on a BDMS in order to guarantee certain results.

◯ The same as ACID.

◯ Enables stricter enforcement of ACID type design.

✓ **Correct**
For more information related to this concept, please click here.

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4. What are ziplists in Redis?

1 / 1 point

◉ A compressed list that is stored within the value of the database.

◯ A special type of data type that can store hashes that point to multiple attributes.

◯ A special type of data type that can store up to 512 mb of image data.

◯ A look up table that is stored as a value in the database. Look up table points to actual values in memory.

✓ **Correct**
For more information related to this concept, please click here.

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5. What is one of the main features of Aerospike?

1 / 1 point

◯ Better equipped for string based search applications.

○ Support for geospatial data storage and geospatial queries.

○ Enables real time data streaming from external sources.

○ Images as values within the database.

✓ **Correct**
For more information related to this concept, please click [here](#).

6. What database would be best suited for the following scenario: An app development company is trying to implement a cloud based storage system for their new map-based app. The cloud will manage the longitude and latitude of the data in order to track user location.

1 / 1 point

○ Redis

◉ Aerospike

○ Solr

○ Vertica

✓ **Correct**
For more information related to this concept, please click [here](#).

7. What database would be best suited for the following scenario: A big wholesale company is trying to implement a search engine for their products.

1 / 1 point

○ Redis

◉ Solr

○ Aerospike

○ Vertica

✓ **Correct**
For more information related to this concept, please click [here](#).

8. Which of the following data types are supported by Redis? (select all that apply)

1 / 1 point

☑ Lists

✓ **Correct**

☐ Images

☐ Streaming Video

☑ Hashes

✓ **Correct**

☑ Strings

✓ **Correct**

☑ Sorted Sets

✓ **Correct**