

## ✓ Congratulations! You passed!

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points

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

☐

Continuous data ingestion



**Correct**

☐

A flexible semi-structured data model



**Correct**

☐

Support for ACID



**Un-selected is correct**

☐

Support for common "Big Data" data types



**Correct**

☐

Narrow range of query sizes



**Un-selected is correct**

☐

A full query language



**Correct**



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points

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

- ☐ it is necessary to have consistency, availability, and partition tolerance
- ☒ it is impossible to have consistency, availability, and partition tolerance

**Correct**

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

- ☐ it is necessary to have consistency, accuracy, and partial tolerance
- ☐ it is impossible to have consistency, accuracy, and partial tolerance

## BDMS Quiz



Quiz, 8 questions

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3. What is the purpose of the acronym BASE?

- ☐ To overcome CAP theorem.
- ☐ The same as ACID.
- ☒ To impose properties on a BDMS in order to guarantee certain results.

**Correct**

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

**8/8 points (100%)**

- ☐ Enables stricter enforcement of ACID type design.
- 



4. What are ziplists in Redis?

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- ☐ A special type of data type that can store hashes that point to multiple attributes.
- ☒ A compressed list that is stored within the value of the database.

**Correct**

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

- ☐ A look up table that is stored as a value in the database. Look up table points to actual values in memory.
- ☐ A special type of data type that can store up to 512 mb of image data.
- 



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

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points

- ☐ Images as values within the database.
- ☐ Better equipped for string based search applications.
- ☒ Support for geospatial data storage and geospatial queries.

**Correct**

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

- ☐ Enables real time data streaming from external sources.
- 



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points

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.

- ☐ Redis
- ☐ Vertica
- ☐ Solr
- ☒ Aerospike

**Correct**

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

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points

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.

- ☐ Vertica
- ☐ Aerospike
- ☐ Redis
- ☒ Solr

**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)

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points

☐

Lists



**Correct**

☐

Strings



**Correct**

☐

Images



**Un-selected is correct**

☐

Streaming Video



**Un-selected is correct**

☐

Sorted Sets



**Correct**

☐

Hashes



**Correct**

