

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

- ☐ Support for ACID
- ☒ Support for common “Big Data” data types

✔ Correct

- ☐ Narrow range of query sizes
- ☒ A full query language

✔ Correct

- ☒ Continuous data ingestion

✔ Correct

- ☒ A flexible semi-structured data model

✔ Correct

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 impossible to have consistency, accuracy, and partial tolerance
- ☐ it is necessary to have consistency, accuracy, and partial tolerance
- ☐ 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](#) ↗.

3. What is the purpose of the acronym BASE? 1 / 1 point

- ☐ To overcome CAP theorem.
- ☐ Enables stricter enforcement of ACID type design.
- ☐ 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](#) ↗.

4. What are ziplists in Redis? 1 / 1 point

- ☐ A special type of data type that can store hashes that point to multiple attributes.
- ☐ A look up table that is stored as a value in the database. Look up table points to actual values in memory.
- ☒ A compressed list that is stored within the value of the database.
- ☐ A special type of data type that can store up to 512 mb of image data.

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

5. What is one of the main features of Aerospike? 1 / 1 point

- ☐ Images as values within the database.
- ☒ Support for geospatial data storage and geospatial queries.
- ☐ Better equipped for string based search applications.
- ☐ Enables real time data streaming from external sources.

✔ 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

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

✔ 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

- ☐ Aerospike
- ☐ Redis
- ☐ Vertica
- ☒ 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) 1 / 1 point

- ☒ Lists

✔ Correct

- ☐ Streaming Video
- ☒ Strings

✔ Correct

- ☒ Sorted Sets

✔ Correct

- ☒ Hashes

✔ Correct

- ☐ Images