

1. Redis is a?

- A. NoSQL database
- B. Relational database
- C. End-user database
- D. Commercial database

[View Answer](#)

2. Redis Initial release in?

- A. 2008
- B. 2009
- C. 2010
- D. 2011

[View Answer](#)

3. Redis Developer?

- A. C. Redis
- B. P. Redis
- C. Redis Labs
- D. Z. Redis

[View Answer](#)

4. Which of the following is true about Redis?

- A. Redis is an open source
- B. Redis advanced key-value store
- C. Redis scalable web applications
- D. All of the above

[View Answer](#)

5. Redis is very fast and can perform about _____ SETs per second?

- A. 10000
- B. 110000
- C. 1000000
- D. 111000

[View Answer](#)

6. Which of the following is correct syntax of Redis CONFIG command?

- A. CONFIG SET CONFIG_SETTING_NAME
- B. CONFIG PUT CONFIG_SETTING_NAME
- C. CONFIG GET CONFIG_SETTING_NAME
- D. All of the above

[View Answer](#)

7. To update configuration, you can edit redis.conf file directly or you can update configurations via?

- A. CONFIG update command
- B. CONFIG put command
- C. CONFIG alter command
- D. CONFIG set command

[View Answer](#)

8. Which of the following file available at the root directory of Redis?

- A. redis.conf
- B. redis.txt
- C. redis.set
- D. redis.config

[View Answer](#)

9. How many types of data types redis supports?

- A. 3
- B. 4
- C. 5
- D. 6

[View Answer](#)

10. A string value can be at max _____ megabytes in length.

- A. 128
- B. 256
- C. 512
- D. 1024

[View Answer](#)

11. Which of the following is a key in string?

SET name "letsfindcourse"

- A. name
- B. get
- C. set
- D. None of the above

[View Answer](#)

12. You can add elements to a Redis List on the?

- A. Head
- B. Tail
- C. leaf
- D. Both A and B

[View Answer](#)

13. What is time complexity for sets in redis?

- A. $O(N)$
- B. $O(N*N)$
- C. $O(N\log N)$
- D. $O(1)$

[View Answer](#)

14. Which of the following is an unordered collection of strings?

- A. Sorted Sets
- B. Sets
- C. Lists
- D. Strings

[View Answer](#)

15. Which of the following basic syntax of Redis client?

- A. \$redis-client
- B. \$redis cli
- C. \$redis-cli
- D. \$redis client

[View Answer](#)

16. we connect to Redis server running on the local machine and execute a command ?

- A. help
- B. redis-server

C. ping

D. redis-connect

[View Answer](#)

17. The below command is used to?

DEL letsfindcourse

A. The command used to delete the command.

B. The command is used to delete the key.

C. The command is used to set the keys.

D. None of the above

[View Answer](#)

18. Which of the following command used to Sets the expiry of the key after the specified time?

A. EXISTS key

B. EXPIRE key seconds

C. EXPIREAT key timestamp

D. PEXPIRE key milliseconds

[View Answer](#)

19. Which of the following command is used to Changes the key name?

A. RENAME key newkey

B. RANDOMKEY

C. RENAMENX key newkey

D. TYPE key

[View Answer](#)

20. Redis Sorted Sets are similar to Redis Sets, non-repeating collections of Strings

- A. TRUE
- B. FALSE
- C. Can be true or false
- D. Can not say

[View Answer](#)

DBA MCQ

What kind of relation is supported in a hierarchical data management system?

- a. Parent-child
- b. Many-to-many
- c. Many-to-many-to-many
- d. No relations are allowed.

What kind of relation is supported in network data management systems?

- a. Parent-child
- b. Many-to-many
- c. Both parent-child and many-to-many
- d. No relations are allowed.

What are the properties of Key-Value Pair databases?

- They are often designed for simplicity and speed
- They have limited possibilities when it comes to querying data
- They allow for fast lookups
- All Of above

Cassandra is combination of what ?

- Bigdata + dynamic
- bigdata + Hadoop
- Bigtable + dynamo
- bigtable + Hadoop

A template engine...

- replaces variables in a template file with actual values, and transforms the template into an JSON file sent to the server
- replaces variables in a template file with actual values, and transforms the template into an HTML file sent to the client

- replaces variables in a template file with actual values, and transforms the template into an HTML file sent to the server
- replaces variables in a template file with actual values, and transforms the template into a JSON file sent to the client

What are common use cases for Redis?

- Caching engine
- Storing persistent data about financial transactions
- Message broker
- Caching engine & Message broker

Which company created Cassandra ?

- Google
- Amazon
- Facebook
- Orkut

Is ORM faster than raw SQL queries?

- True
- False

Which of the following are column-oriented databases?

- MongoDB
- MySQL
- Cassandra
- Neo4j

What is P Stand for in "CAP" Theorem ?

- Consistency
- Availability
- partition
- Partition Tolerance

Where clause can be run only on column other than primary key which having

- Primary Index
- Secondary Index
- Sparse Index
- Dense Index

What do you call compression process in cassandra

- Compaction
- Compression
- Archive
- Backup

Which command start cassandra only Client

- ~/casandra/bin/cassandra -f
- ~/cassadra/bin/cqlsh
- Both A & B
- none of the above

What does "scaling out" means?

- Scaling by adding more servers
- Scaling by using more powerful server

Which databases are AP based on CAP theorem?

- Cassandra
- MongoDB
- CouchDB
- Cassandra & CouchDB

What data types are supported by Redis without additional extensions?

- Sorted sets
- Strings
- Both A & B
- none of the above

What format is used by MongoDB documents?

- XML
- Plaintext
- JSON
- Protobuf

What data structure is used by Elastic search to allow for efficient full-text search?

- Parallel index
- B-tree index
- Inverted index
- Compound index

HTTPS is

- Hypertext transfer protocol secure (HTTPS) is the secure version of HTTP, which is the primary protocol used to send data between a web browser and a website
- Hypertext transfer primary secure (HTTPS) is the secure version of HTTP, which is the primary protocol used to send data between a web browser and a website
- Can I drop off the meeting now?

- none of the above

What are the reasons for considering NoSQL databases?

- Scalability
- High Availability
- Flexibility
- All Of above

Which query language used by Cassandra

- SQL
- PL-SQL
- CQL
- Javascript

What do you mean by TTL ?

- Time to live
- Time to leave
- Time to laugh
- Time to load

Which feature in cassandra allows you to execute multiple queries at one time ?

- AT TIME
- BATCH
- Capture
- Source

What do you mean by Table in Cassandra ?

- Column
- Row
- KeySpace
- Column-Family

Cassandra Dose Not support from Following ?A. JoinB. Subquery

- A
- B
- Both
- Both Supports

Which of the following is not a NoSQL database?

- Cassandra
- MongoDB
- SQL Server
- None of the above

Which of the following is a nosql database type?

- SQL
- JSON
- Document databases
- None of the Above

Which of the following are the simplest NoSQL databases?

- Key-value
- Document
- Wide-column
- All of the above

What is the aim of nosql?

- NoSQL is not suitable for storing structured data.
- NoSQL databases allow storing non-structured data.
- NoSQL is a new data format to store large datasets.
- NoSQL provides an alternative to SQL databases to store textual data.

All nosql databases are similar. true or false.

- True
- False

Which of the following is **not a strong feature** for nosql databases?

- Scalability
- Relational data
- Faster data access than RDBMS.
- Data easily held across multiple servers

What are the types of nosql databases

- Document databases.
- Key-value stores
- Graph & Column-oriented databases.
- All of the above

Which of the following is **not a valid NoSQL database**?

- Cassandra
- Scylla
- Handhoop / Hbase
- PostgreSQL

Does nosql databases prohibits the use of sql?

- Yes
- No

What is NoSQL database?

- NoSQL is a database is an enhanced form of RDBMS.

- NoSQL is database that is built with enhancements to DBMS.
- NoSQL is a database that is built on ways and means other than table.s and columns.
- None of the Above

NoSQL can be referred to as

- No SQL
- Only SQL
- Not Only SQL
- SQL Undefined

Which of the following represent column in NoSQL

- Field
- Database
- Collection
- Document

The core principle of nosql is

- High availability
- Low availability
- both High & Low availability
- None of above

NoSQL databases is used mainly for handling large volumes of
data.

- structured
- unstructured
- semi-structured

Which of the following is not an example of a nosql database management system?

- HBase
- MongoDB
- CouchDB
- PostgreSQL

Which of the following is a characteristic of a NoSQL database?

- Uses JSON
- Needs a schema
- Requires JOINS
- Uses tables for storage

NoSQL databases are most often referred to as

- Network

- Distributed
- Relational
- Object-oriented

Which of the following is a reason to use an SQL database?

- It's ACID-compliant.
- It can easily store unstructured data. It's ACID-compliant.
- It can enable development in the cloud
- None of above

Which of the following is true of nosql databases?

- They do not support very large amounts of sparse data.
- They do not support distributed database architectures.
- They are not based on the relational model
- They are geared toward transaction consistency rather than performance

___ stores are used to store information about networks, such as social connections.

- A. Key-value
- B. Wide-column
- C. Document
- D. Graph

Which of the following statement is true?

- A. Non Relational databases require that schemas be defined before you can add data
- B. NoSQL databases are built to allow the insertion of data without a predefined schema
- C. NewSQL databases are built to allow the insertion of data without a predefined schema
- D. All of the above

ACID Properties refers to the ___.

- A. Atomicity Consistency Isolation Durability
- B. Active Consistency Isolation Durability
- C. Atomicity Control Isolation Durability
- D. Atomicity Consistency Idea Durability

A NoSQL database includes ___ of design, simpler horizontal scaling to clusters of machines and finer control over availability.

- A. simplicity
- B. difficulty
- C. complexity

- D. All of the above

NoSQL was released in the year _____.

- A. 2000
- B. 1998
- C. 1997
- D. 1999

Instead of Primary Key MongoDB uses _____.

- A. Mongo key_id
- B. Mongo_id
- C. Default key _id
- D. None of the above

NoSQL was created by _____.

- A. Guido van Rossum
- B. Carlo Strozzi
- C. James Gosling
- D. None of the above

Advantages of NoSQL are _____.

- A. It supports query language.
- B. It provides fast performance.
- C. It provides horizontal scalability.
- D. All of the above

A NoSQL database can manage information using _____ models.

- A. Key-value store
- B. Document-based
- C. Column-based or Graph-based
- D. All of the above

Redis, a powerful in-memory key value store used for session caching, message queues, and other specific applications is a NoSql database.

- A. True
- B. False

NoSQL was created to manage the scale and agility challenges that face modern applications, but the suitability of a database depends on the problem it must solve.

- A. True
- B. False

The trends creating new technical challenges that NoSQL DBs can address _____.

- A. More customers are going online
- B. The internet is connecting everything
- C. Both A and B
- D. None of the above

NoSQL database fully supports agile development and does not statically define how the data must be modeled.

- A. True
- B. False

Why NoSQL Databases are more preferable?

- A. Flexibility
- B. Faster Development
- C. Both A and B
- D. None of the above

How does one extract data from a NoSQL database if SQL?

- A. run queries and output the data you need.
- B. By writing the queries.
- C. Both A and B
- D. None of the above

Which of the following is **not a reason** NoSQL has become a popular solution for some organizations?

- A. Better scalability
- B. Faster access to data than RDBMS
- C. Improved ability to keep data consistent
- D. All of the above

It is best to use a NoSQL database _____.

- A. When providing confidentiality, integrity and availability is crucial
- B. When the data is predictable
- C. When the retrieval speed of data is not critical
- D. When the retrieval of large quantities of data is needed

Which architecture does NoSQL follow?

- A. Shared Memory
- B. Shared Nothing
- C. Shared Disk
- D. Shared Nothing Architecture

Why MongoDB is known as the best NoSQL database?

- A. Easily Scalable
- B. High Performance

- C.Rich Query language
- D.All of the above

NoSQL databases typically handle large volumes of

- A. structured data
- B.unstructured data
- C.semi-structured data
- D.None of the above

Which of the following is true about Apache Cassandra?

- A. Apache Cassandra is a free and open-source
- B. Apache Cassandra is a distributed
- C. Apache Cassandra has wide column store
- D. All of the above

CQL stands for?

- A. Cassandra Query Language
- B. Cluster Query Language
- C. Commit Query Language
- D. Component Query Language

A _____ is a special column, therefore, it is also a key-value pair, but it stores a map of sub-columns.

- A. sub column
- B. key column
- C. super column
- D. column

Which of the following collection of one or more nodes in elasticsearch?

- A. Node
- B. Cluster
- C. Index
- D. Document

Which of the following are Advantages of elasticsearch?

- A. Elasticsearch is real time
- B. Elasticsearch is distributed
- C. Elasticsearch uses JSON objects as responses
- D. All of the above

Programming language used in Neo4J?

1. A. C
2. B. C++
3. C. Java

4. D. Python

Tables are represent as in Neo4j?

- A. Graphs
- B. Nodes
- C. Relationships
- D. Traversal

Which of the following are an Advantages of Neo4j?

- A. Flexible data model
- B. Real-time insights
- C. High availability
- D. All of the above

Which of the following is not a Neo4J CQL command?

- A. Create
- B. Match
- C. Delete
- D. Exit

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Which of the following command is used to Changes the key name in redis?

- A. RENAME key newkey
- B. RANDOMKEY
- C. RENAMENX key newkey
- D. TYPE key

Which of the following format is supported by MongoDB?

- A. XML
- B. SQL
- C. JSON
- D. All of the mentioned

MongoDB provides high _____ with replica sets.

- A. availability
- B. performance
- C. scalability
- D. none of the mentioned

MongoDB scales horizontally using _____ for load balancing purpose.

- A. Partitioning
- B. Sharding
- C. Replication
- D. None of the mentioned

MongoDB stores all documents in _____

- A. collections
- B. rows
- C. tables
- D. All of the mentioned

Which of the following pipeline is used for aggregation in MongoDB?

- A. information processing
- B. knowledge processing
- C. data processing
- D. None of the mentioned

In aggregation pipeline, the _____ pipeline stage provides access to MongoDB queries.

- A. \$match
- B. \$batch
- C. \$catch
- D. All of the mentioned

Which of the following functionality is used for aggregation framework?

- A. \$projectmatch
- B. \$project
- C. \$match
- D. All of the mentioned

Interview

Write down the difference between vertical and horizontal databases?

Vertical Database	Horizontal Database
You can do vertical scaling, adding more power to the present PC.	Here you can do horizontal scaling with more equipment.
All data will be stored in a single node.	Only part data will be stored in all nodes.
Multi-core scaling will be done.	Single-core scaling will be done.
Example: Amazon cloud	Example: Cassandra

Can you tell me when you should use NoSQL in place of the normal database?

Ans: If you are looking for key-value stores with massive high-speed performances, you can use NoSQL. Because in the relational databases, we use ACID transactions. Once we use this kind of transaction, the schema-based process will slow down the database performance.

Suggestive possible situations to use NoSQL are:

- If you use multiple JOIN queries.
- If the client wants a high traffic site.
- If you are using denormalized data.

What is your opinion on NoSQL replacing SQL?

Ans: The answer is yes. As per market demand, the database is also changing and getting replaced by NoSQL. Because it can manage big data, the cost is less, the latest technologies are compatible with this new database, but the traditional database is costly as well as does not match with new

technologies.

SET and ZSET

Sorted set characteristic is the same as set, however, it's different to set that sorted set can be automatically sorted based on score

5.ZSET (Sorted Set)

Sorted set characteristic is the same as set, however, it's different to set that sorted set can be automatically sorted based on score. It's suitable for a problem of sorting unique result (game leaderboard).

A problem which can use ZSET is

- Take a leaderboard in a massive online game, where every time a new score is submitted you update it using ZADD. You can easily take the top users using ZRANGE, you can also, given a user name, return its rank in the listing using ZRANK. Using ZRANK and ZRANGE together you can show users with a score similar to a given user. All very *quickly*.

REF:

Link tổng hợp:

https://apprize.best/data/nosql/18.html?fbclid=IwAR0HehONh_ygnEWNXxTUTH7XM03ZGv4v7RIWlHyHIAgyefz8L33LVulD9d8

Link MCQ:

<https://mcqpoint.com/mcq/nosql/> (không vào được)

<https://www.onlineinterviewquestions.com/nosql-mcq/> (link đáp án

<https://www.sanfoundry.com/mongodb-questions-answers-nosql-databases/#:~:text=Which%20of%20the%20following%20is%20not%20a%20NoSQL%20database%3F&text=Explanation%3A%20Microsoft%20SQL%20Server%20is,management%20system%20developed%20by%20Microsoft.>)

<https://www.interviewmocks.com/nosql-mcq/> (không vào dc)

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<https://engineeringinterviewquestions.com/mcqs-on-nosql-databases-answers/>

<https://tutorialslink.com/mcq-quiz/nosql-mcq-quiz-multiple-choice-questions-and-answers?page=1> (không xem được answer)

Redis, Cass, Neo4j, Elasticsearch:

<https://letsfindcourse.com/database-mcq/cassandra-mcq-questions-and-answers>

Mongodb:

<https://www.interviewmocks.com/mongodb-mcq/> (ko vào dc)