

**Question 1**

Not yet answered

Marked out of 1.00

Which one is not a data type in JSON

Select one:

- ☒ a. Date
- ☐ b. string
- ☐ c. Objects
- ☐ d. Array

**Question 2**

Not yet answered

Marked out of 1.00

The reason why JSON format is more popular than XML format?

Select one:

- ☐ a. Strict declaration
- ☐ b. Binary data, small size
- ☒ c. All
- ☐ d. Quickly parse

**Question 3**

Not yet answered

Marked out of 1.00

Which one is correct for data warehousing?

Select one:

- ☒ a. It is designed to focus on subject areas
- ☐ b. It can solve all business questions
- ☐ c. It contains only current data
- ☐ d. It is used in the OLTP system

**Question 4**

Not yet answered

Marked out of 1.00

When performing a correlated subquery

Select one:

- ☐ a. The external query will be executed later
- ☒ b. The external query will be executed first
- ☐ c. Depending on the data

**Question 5**

Not yet answered

Marked out of 1.00

Which one is to check whether the data is NULL:

Select one:

- ☐ a. LIKE NULL
- ☒ b. ==NULL
- ☐ c. =NULL
- ☐ d. Is NULL

**Question 6**

Not yet answered

Marked out of 1.00

When creating foreign keys, the purpose of the ON DELETE SET NULL option is

Select one:

- ☐ a. Allows deleting the parent table, keeping child table information, and modifying reference values
- ☐ b. Delete the parent table data, and also delete the child table data
- ☒ c. Prohibit deletion if referential constraints are violated

**Question 7**

Not yet answered

Marked out of 1.00

The problem can occur when a transaction reads data from another transaction that has not yet been committed

Select one:

- ☐ a. Unrepeatable Read
- ☐ b. Lost updates
- ☐ c. Phantom Read
- ☒ d. Dirty Read

**Question 8**

Not yet answered

Marked out of 1.00

In HDFS, the default number of replication nodes is:

Select one:

- ☐ a. 1
- ☒ b. 2
- ☐ c. 3
- ☐ d. 4

**Question 9**

Not yet answered

Marked out of 1.00

The number of join types in SQL is

Select one:

- ☐ a. 2
- ☐ b. 4
- ☐ c. 1
- ☒ d. 3

**Question 10**

Not yet answered

Marked out of 1.00

Which is not a data type in JSON

Select one:

- ☒ a. Date
- ☐ b. Array
- ☐ c. Objects
- ☐ d. String

**Question 11**

Not yet answered

Marked out of 1.00

The operation will be performed when an exception occurs in a transaction

Select one:

- ☒ a. ROLLBACK
- ☐ b. REVERSE
- ☐ c. UNDO
- ☐ d. UNCOMMIT

**Question 12**

Not yet answered

Marked out of 1.00

In the CAP theorem, MongoDB can be classified into:

Select one:

- ☐ a. AC
- ☐ b. AP
- ☒ c. CP

**Question 13**

Not yet answered

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In Kafka, messages are always received in order

Select one:

- ☒ a. It depends
- ☐ b. No
- ☐ c. Yes

**Question 14**

Not yet answered

Marked out of 1.00

Can update the data on a View in the database

Select one:

- ☒ a. Depends on the View creation command
- ☐ b. Yes
- ☐ c. No, View can only read

**Question 15**

Not yet answered

Marked out of 1.00

In MySQL, the default root account can access the MySQL server from any computers

Select one:

- ☒ a. Not allowed
- ☐ b. Always
- ☐ c. If on the same LAN
- ☐ d. If that computer has a Firewall installed

**Question 16**

Not yet answered

Marked out of 1.00

Choose the first 3V definition of the Bigdata

Select one:

- ☐ a. Volume, Velocity, Value
- ☐ b. Volume, Value, Variety
- ☒ c. Volume, Velocity, Variety
- ☐ d. Volume, Veracity, Variety

**Question 17**

Not yet answered

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In MySQL trigger, the command to query the address data inserted to the customer table,

Select one:

- ☐ a. DELETED.address
- ☐ b. NEW.address
- ☒ c. INSERTED.address

**Question 18**

Not yet answered

Marked out of 1.00

In the left join operation between the customers table and the orders table, the number of rows in the result is

Select one:

- ☐ a. Number of rows in the orders table
- ☒ b. Depends on the data
- ☐ c. Number of rows in the customers table

**Question 19**

Not yet answered

Marked out of 1.00

The default isolation level for MySQL InnoDB is

Select one:

- ☐ a. READ UNCOMMITTED
- ☐ b. READ COMMITTED,
- ☒ c. REPEATABLE READ
- ☐ d. SERIALIZABLE

**Question 20**

Not yet answered

Marked out of 1.00

Can the GROUP BY clause contain more than 1 column?

Select one:

- ☒ a. Yes
- ☐ b. No

**Question 21**

Not yet answered

Marked out of 1.00

The inner query is executed before executing the outer query

Select one:

- ☐ a. No
- ☐ b. Yes
- ☒ c. Depends on the situation

**Question 22**

Not yet answered

Marked out of 1.00

The character C in the word ACID is the abbreviation of the word

Select one:

- ☐ a. Constraints
- ☐ b. Commit
- ☐ c. Columns
- ☒ d. Consistency

**Question 23**

Not yet answered

Marked out of 1.00

The character A in the word ACID is the abbreviation of the word

Select one:

- ☐ a. ATOMIC
- ☒ b. AUTOMATIC
- ☐ c. ASYNC
- ☐ d. ANALYTIC

**Question 24**

Not yet answered

Marked out of 1.00

Choose DBMS supporting wide column model

Select one:

- ☐ a. Redis
- ☐ b. MongoDB
- ☒ c. Cassandra
- ☐ d. MySQL

**Question 25**

Not yet answered

Marked out of 1.00

In the inner join operation between the customers table and the orders table, the number of rows in the result is

Select one:

- ☐ a. Number of rows in the orders table
- ☒ b. Depends on the data
- ☐ c. Number of rows in the customers table

**Question 26**

Not yet answered

Marked out of 1.00

Using subquery is better than using join

Select one:

- ☐ a. No
- ☒ b. Depends on the situation
- ☐ c. Yes

**Question 27**

Not yet answered

Marked out of 1.00

What field is required in all MongoDB documents

Select one:

- ☐ a. ObjectId
- ☒ b. \_id
- ☐ c. \_key
- ☐ d. \_name

**Question 28**

Not yet answered

Marked out of 1.00

The method in JavaScript to load JSON data

Select one:

- ☐ a. JSON.convert()
- ☐ b. JSON.ingest()
- ☒ c. JSON.parse()
- ☐ d. JSON.read()

**Question 29**

Not yet answered

Marked out of 1.00

In MongoDB, find the correct query that returns documents with age greater than 21

Select one:

- ☒ a. db.citizens.find({age: {\$gte: 21}})
- ☐ b. db.citizens.where({age > 21})
- ☐ c. db.citizens.find('age \$gte 21')
- ☐ d. db.citizens.select('WHERE age >= 21')

**Question 30**

Not yet answered

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Choose the best answer. Subqueries can be used in

Select one:

- ☐ a. SELECT, WHERE clauses
- ☐ b. WHERE clause
- ☒ c. All of the above
- ☐ d. FROM, WHERE clauses

**Question 31**

Not yet answered

Marked out of 1.00

The HAVING clause has the following purpose:

Select one:

- ☒ a. All of the above
- ☐ b. Filter data groups
- ☐ c. Filter data rows

**Question 32**

Not yet answered

Marked out of 1.00

To optimize the query in MySQL, use the time function instead of the BETWEEN operator in the WHERE condition.

Select one:

- ☒ a. Yes
- ☐ b. No

**Question 33**

Not yet answered

Marked out of 1.00

There is a fulltext index on the description column of the products table. The query:  
Select \* from products where description like '%apple%'

Select one:

- ☐ a. Using the index
- ☐ b. It is depended
- ☒ c. Don't use the index



**Question 34**

Not yet answered

Marked out of 1.00

Suppose there is a compound index on 2 columns in order: last\_name and first\_name, select the query that does not use the index

Select one:

- ☐ a. Select \* from Customers where firstname='le'
- ☐ b. Select \* from Customers where lastname='hai'
- ☐ c. Select \* from Customers where lastname='hai' and firstname='le'
- ☒ d. Select \* from Customers where firstname='le' and lastname='hai'

**Question 35**

Not yet answered

Marked out of 1.00

With the same condition, the result of an outer join always includes the result of an inner join

Select one:

- ☐ a. Yes
- ☒ b. No
- ☐ c. Depends on the data

**Question 36**

Not yet answered

Marked out of 1.00

Select the concept not used in the graph database model

Select one:

- ☐ a. Label
- ☐ b. Relationship
- ☐ c. Node
- ☒ d. Row

**Question 37**

Not yet answered

Marked out of 1.00

Choose a datawarehouse data modeling method

Select one:

- ☐ a. NoSQL Model
- ☐ b. Normalization Model
- ☒ c. Star Model
- ☐ d. Entity Model

**Question 38**

Not yet answered

Marked out of 1.00

In datawarehouse, SCD stands for the phrase

Select one:

- ☒ a. Slowly Changing Dimension
- ☐ b. Small Changing Dimension
- ☐ c. Slowly Changing Data
- ☐ d. Small Changing Data

**Question 39**

Not yet answered

Marked out of 1.00

What is the correct format for a JSON name/value pair?

Select one:

- ☐ a. name = "value"
- ☐ b. 'name : value'
- ☒ c. "name": "value"
- ☐ d. name = 'value'

**Question 40**

Not yet answered

Marked out of 1.00

Select the correct query to sort names in a MongoDB's collection.

Select one:

- ☐ a. db.customers.find({}).sort({name: 1})
- ☐ b. db.customers.sort({name: 1}).find({})
- ☒ c. db.customers.sort({name: 1})

◀ AdventureWorks Sales (PowerBI)

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