

Q.1) Which of the following language is MongoDB written in

- A. Javascript B. C C. C++ **D. All of the mentioned**

Q. 2) Point out the correct statement

- A. **MongoDB is classified as a NoSQL database**
B. MongoDB favours XML format more than JSON
C. MongoDB is column oriented database store
D. All of the mentioned

Q.3 Which of the following format is supported by MongoDB ?

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

Q.4 MongoDB Queries can return specific fields of documents which also include user-defined _____ functions.

- A. Javascript** B. C C. C++ D. All of the mentioned

Q.5 Point out the wrong statement.

- A. **Secondary indices is not available in MongoDB**
B. MongoDB supports search by field, range queries, regular expression searches
C. MongoDB can store the business subject in the minimal number of documents
D. All of the mentioned

Q.6 Initial release of MongoDB was in the year

- A. 2000 B. 2005 **C. 2009** D. 2011

Q.7 MongoDB is a _____ database that provides high performance, high availability, and easy scalability

- A. graph B. key value **C. document** D. All of the mentioned

Q.8 Dynamic schema in MongoDB makes _____ easier for application

- A. inheritance **B. polymorphism** C. encapsulation D. None of the mentioned

Q.9 MongoDB has been adopted as _____ software by a number of major websites and service

- A. frontend **B. backend** C. proprietary D. All of the mentioned

Q.10 With _____, MongoDB supports a complete backup solution and full deployment monitoring

- A. MMS** B. AMS C. CMS D. DMS

Q.11) Point out the correct statement :

- A. **\$regex is used for regular expression pattern matches**
B. b)\$like is used for regular expression pattern matches
C. \$reg is used for regular expression pattern matches
D. All of the mentioned

Q.12) Point out the correct statement :

- A. **An array with a large number of elements will incur greater indexing costs on insertion**
B. An array with a large number of elements will incur smaller indexing costs on updates
C. An array with a small number of elements will incur greater indexing costs on insertion
D. None of the mentioned

Q.13) _____ indexes can include any field whose value is a string or an array of string elements.

A. text B. string C. char D. None of the mentioned

Q.14) Which of the following is related to document that provide support for synonym or related queries in the application layer?

A. Stemming **B. Synonyms** C. Ranking D. None of the mentioned

Q.15) Which of the following is related to document that do not provide a way to weight results?

A. Stemming B. Synonyms **C. Ranking** D. None of the mentioned

Q.16) To add structures to your document to support keyword-based queries add the keywords as _____ in the array.

A. number **B. strings** C. character D. None of the mentioned

Q.17) Which of the following is related to parsing of document for root?

A. Stemming B. Synonyms C. Ranking D. None of the mentioned

Q.18) _____ bulk indexes may be more efficient for some kinds of content and workloads in real time.

A. Synchronous **B. Asynchronous** C. Unique D. None of the mentioned

Q.19) Which of the following operations are atomic on document level?

A. update B. remove C. findAndModify **D. All of the mentioned**

Q.20) which of the following query is used to generate a new ObjectId, use the ObjectId() constructor with no argument

A. x = ObjectIdAdd() B. x = addObjectId() **C. x = ObjectId()** D. None of the mentioned

Q.21) Object_Id is similar to _____ key in Relational Databases

A. primary B. secondary C. composite D. All of the mentioned

Q.22) Point out the correct statement:

- A. **ObjectIds are small, likely unique, fast to generate, and ordered**
- B. ObjectIds are large, likely unique, and ordered
- C. ObjectIds values consists of 18-bytes
- D. All of the mentioned

Q.23) Which of the field is reserved for use as a primary key ?

A. _id B. _uid C. _uuid D. All of the mentioned

Q.24) Point out the wrong statement :

- A. **The field names cannot start with the dollar sign (\$) character**
- B. The field names cannot contain the dot (.) character
- C. The field names cannot contain the null character
- D. None of the mentioned

Q.25) To ensure functioning replication, do not store values that are of the _____ regular expression type in the _id field.

A. JSON B. XML C. JScript **D. None of the mentioned**

Q.26) GridFS uses a _____ index on the chunks collection for the files_id and n fields.

A. unique B. single C. non unique D. None of the mentioned

Q.27) A query may include a _____ that specifies the fields from the matching documents to return.

- A. selection **B. projection** C. union D. None of the mentioned

Q.28) MongoDB stores all documents in :

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

Q.28 To add structures to your document to support keyword-based queries add the keywords as _____ in the array.

- A. number **B. strings** C. character D. None of the mentioned

Q.30 MongoDB supports query joins between collections.

- A. True **B. False**

Q.31 In replica sets, all write requests are automatically sent to secondary nodes directly.

- A. True **B. False**

Q.32 MongoDB documents are represented as XML.

- A. True **B. False**

Q.33 Searching for elements in a document array requires you specify a positional element (i.e. document.array[i]).

- A. True **B. False**

Q.34 MongoDB enforces attribute similarity across documents in a collection (i.e. all word documents must have an array of synonyms).

- A. True **B. False**

Q.35 Indexes can make document queries faster but:

- A. **They can make inserts and updates slightly slower**
 B. Require specialized query commands to even be leveraged (in other words, hints)
 C. They do not work in a replica set environment

Q.36 MongoDB can be used as a _____, taking advantage of load balancing and data replication features over multiple machines for storing files.

- A. **AMS** B. CMS C. File system D. None of the mentioned

Q.37 _____ can be used for batch processing of data and aggregation operations.

- A. Hive **B. MapReduce** C. Oozie D. None of the mentioned

Q38 A..... is a set of column that identifies every row in a table.

- A. composite key B. candidate key C. foreign key **D. super key**

Q39 The output of following SQL statement will be _____.

SELECT SUBSTR('123456789', INSTR('abcabcabc','b'), 4) FROM EMP;

- A. 6789 **B. 2345** C. 1234 D. 456789

Q40 Which of the following SQL command can be used to modify existing data in a database table?

- A. MODIFY **B. UPDATE** C. CHANGE D. NEW

Q41 provides option for entering SQL queries as execution time, rather than at the development stage.

- A. PL/SQL B. SQL*Plus C. SQL **D. Dynamic SQL**

Q42 The is essentially used to search for patterns in target string.

- A. **Like Predicate** B. Null Predicate C. In Predicate D. Out Predicate

Q43 The GRADES table has these columns: STD_ID NUMBER(12)

EXAM_END DATE

GPA NUMBER(4,3)

Display the students' grade point averages (GPA), sorted from highest grade point average to lowest within each semester, starting from the earliest date. Which statement accomplishes this?

- A. **SELECT std_id, exam_end, gpa
FROM GRADES
ORDER BY exam_end DESC, gpa DESC;**
- B. SELECT std_id, exam_end, gpa
FROM GRADES
ORDER BY exam_end ASC, gpa ASC;
- C. SELECT std_id, exam_end, gpa FROM GRADES ORDER BY
exam_end, gpa DESC;
- D. SELECT std_id, exam_end, gpa FROM GRADES
ORDER BY gpa DESC, semester

Q44 Which of the following single-row operators can be used for writing a sub-query?

- A. >= B. < C. = D. All of the above

Q43 What is the maximum level of sub-queries allowed in Oracle in a single SQL statement?

- A. 20 B. 50 C. Unlimited **D. 255**

Q44 Consider this statement:

Select emp_name, (select count(*) from departments) From employees Where salary= (select salary from employees); What is wrong with it?

- A. The statement will fail because the subquery in the SELECT list references a table that is not listed in the FROM clause.
- B. The statement will fail if the second query returns more than one row.
- C. **Both A & B**
- D. The statement will run but is extremely inefficient because of the need to run the second sub query once for every row in EMPLOYEES

Q45 The file in DBMS is called as in RDBMS.

- A. Console **B. Schema** C. Table D. Object

Q46 Which of follows property of transaction is followed by NoSQL database?

- A. ACID **B. BASE** C. CAP D. All of the above

Q47 Cassandra, The NoSQL database follows which combinations of CAP theory?

- A. CA B. CP C. AP **D. Both A and B**

Q48 _____ databases are used to store information about networks, such as social connections.

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

Q49 Point out the correct statement:

- A. Documents can contain many different key-value pairs, or key-array pairs, or even nested documents
B. MongoDB has official drivers for a variety of popular programming languages and development environments
C. When compared to relational databases, NoSQL databases are more scalable and provide superior performance
D. **All of the above**

Q50 MongoDB is a _____ database that provides high performance, high availability, and easy scalability.

- A. Graph B. Key value **C. Document** D. Tabular

Q51 How many categories are there in NoSQL Database Family?

- A. **4** B. 3 C. 2 D. None

Q52 What is the maximum size of a MongoDB document?

- A. 2 MB
B. 16 MB
C. 12 MB
D. **There is no maximum size. It depends on the RAM.**

Q53 Which datatype is not supported by Json and is there in BSON?

- A. **Date and Bin Data type.** B. Date and String data Type.
D. Date and Null. D. Date and Number.

Q54 Choose the correct answer from below, for backup and recovery we can use?

- A. **Mongodump & mongorestore**
B. Mongoimport & mongoexport
C. Import & Export
D. Backup & Recovery

Q55 What is Config Database in MongoDB?

- A. **An internal database that holds the metadata associated with a sharded cluster.**
B. An external database that holds the metadata associated with a sharded cluster.
C. It is a MongoDB client
D. It is a MongoDB server

Q56 MongoDB scales horizontally using _____ for load balancing purpose.

- A. Replication B. Partitioning **C. Sharding** D. Coping

Q57 What is the interactive shell for MongoDB called?

- A. **mongo** B. mongodb C. dbmong D. None of the mentioned

Q58 Which statement about an Oracle instance is true?

- A. The redo log buffer is NOT part of the shared memory area of an Oracle instance.
B. **Multiple instances can execute on the same computer, each accessing its own physical database.**
C. An Oracle instance is a combination of memory structures, background processes, and user processes.

D. In a shared server environment, the memory structure component of an Instance consists of a single SGA and a single

Q59 is preferred method for enforcing data integrity

- A. **Constraints** B. Stored Procedure C. Triggers D. Cursors

Q60 Which two files are used during operation of the DBMS?

- A. Query languages and utilities
B. DML and query language
C. **Data dictionary and transaction log**
D. Data dictionary and query language

Q61 A query may include a _____ that specifies the fields from the matching documents to return.

- A. **selection** B. projection C. union D. None of the mentioned

Q62. Point out the correct statement :

- A. Secondary indexes allow applications to store a view of a portion of the collection in an efficient data structure
B. **MongoDB has full support for secondary indexes**
C. Most indexes store an ordered representation of all values of a field or a group of fields
D. All of the mentioned

Q63. MongoDB stores all documents in _____.

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

Q64 In MongoDB, _____ operations modify the data of a single collection.

- A. CRUD B. **GRID** C. READ D. ALTER

Q65 Point out the wrong statement :

- A. Indexes cannot enforce uniqueness in collection
B. CRUD stands for create, read, update, and delete
C. **CRUD application is the most simplest application**
D. Sometimes CRUD is also called as SCRUD

Q66 Which of the following operation adds a new document to the users collection ?

- A. add B. **insert** C. truncate D. drop

Q67 Which of the following preference determines how the client direct read operations to the set?

- A. read B. write C. **update** D. delete

Q68 MongoDB process collection of documents using _____ operations.

- A. Hbase B. Hive C. Map-reduce D. **None of the mentioned**

Q69 Which of the following is a metapackage for enterprise?

- A. **mongodb-enterprise** B. mongodb-enterprise-server
B. mongodb-enterprise-mongos D. mongodb-mongos

Q70 _____ package contains the mongod daemon and associated configuration and init scripts.

- A. **mongodb-enterprise** B. mongodb-enterprise-server

B. mongodb-enterprise-mongos D. None of the mentioned

Q71 A sharded cluster can contain _____ query router to divide the client request load.

A. 1 B. 0 C. **more than 1** D. All of the mentioned

Q72 _____ servers store the cluster's metadata.

A. Local B. Config C. Master D. main

Q73 Production sharded clusters have exactly _____ config servers.

A. 1 B. 2 C. **3** D. 4

Q74 To divide the shard key values into chunks, MongoDB uses _____ based partitioning.

A. **range** B. b tree C. document D. isMaster

Q75 _____ based partitioning, by contrast, ensures an even distribution of data at the expense of efficient range queries.

A. Hash B. **Range** C. Table D. Data

Mongo DB

1) A query may include a _____ that specifies the fields from the matching documents to return.

a) selection b) **projection** c) union d) None of the mentioned

Explanation: Queries specify criteria, or conditions, that identify the documents that MongoDB returns to the clients.

2) Point out the correct statement :

a) Secondary indexes allow applications to store a view of a portion of the collection in an efficient data structure

b) **MongoDB has full support for secondary indexes**

c) Most indexes store an ordered representation of all values of a field or a group of fields d) All of the mentioned

Explanation: Secondary indexes is used to enhance the performance of common queries and updates.

3) MongoDB stores all documents in :

a) tables b) **collections** c) rows d) All of the mentioned

Explanation: Collections are analogous to a table in relational databases.

4) In MongoDB, _____ operations modify the data of a single collection.

a) **CRUD** b) GRID c) READ d) All of the mentioned

Explanation: Data modification refers to operations that create, update, or delete data.

5) Point out the wrong statement :

a) **Indexes cannot enforce uniqueness in collection**

b) CRUD stands for create, read, update, and delete

c) CRUD application is the most simplest application

d) All of the mentioned

Explanation: Indexes may also enforce uniqueness, store objects in a geospatial representation, and facilitate text search.

6) Which of the following operation adds a new document to the users collection ?

- a) add b) **insert** c) truncate d) drop

Explanation: For the update and delete operations, you can specify the criteria to select the documents to update or remove.

7) Which of the following preference determines how the client direct read operations to the set?

- a) **read** b) write c) update d) delete

Explanation: For replica sets and sharded clusters with replica set components, applications specify read preferences.

8) MongoDB process collection of documents using _____ operations.

- a) Hbase b) Hive c) **Map-reduce** d) None of the mentioned

Explanation: In addition to the basic queries, MongoDB provides several data aggregation features.

9) Which of the following is a metapackage for enterprise ?

- a) **mongodb-enterprise** b) mongodb-enterprise-server
c) mongodb-enterprise-mongos d) None of the mentioned

Explanation: mongodb-enterprise is a metapackage that will automatically install the four component packages.

10) _____ package contains the mongod daemon and associated configuration and init scripts. a) mongodb-enterprise

- b) **mongodb-enterprise-server**
c) mongodb-enterprise-mongos
d) None of the mentioned

Explanation: mongodb-enterprise-mongos package contains the mongos daemon.

11) A sharded cluster can contain _____ query router to divide the client request load.

- a) 1 b) 0 c) **more than 1** d) All of the mentioned

Explanation: A client sends requests to one query router. Most sharded clusters have many query routers.

12) _____ servers store the cluster's metadata.

- a) **Local** b) Config c) Master d) All of the mentioned

Explanation: This data contains a mapping of the cluster's data set to the shards.

13) Production sharded clusters have exactly _____ config servers.

- a) 1 b) 2 c) **3** d) 4

Explanation: Do not deploy production clusters without 3 config servers.

14) To divide the shard key values into chunks, MongoDB uses _____ based partitioning.

- a) **range** b) b tree c) document d) isMaster

Explanation: Hash based partitioning can also be used.

15) _____ based partitioning, by contrast, ensures an even distribution of data at the expense of efficient range queries.

- a) Hash b) **Range** c) Table d) None of the mentioned

Explanation: Hashed key values results in random distribution of data across chunks and therefore shards.

16) Which of the following is not a part of mongodb-enterprise-tools ?

- a) mongodump b) mongotop c) **mongodown** d) none of the mentioned

Explanation: mongodb-enterprise-tools package contains the following MongoDB tools: mongoimport, bsondump, mongodump, mongoexport, mongofiles, mongoimport, mongoexport, mongoperf, mongorestore, mongostat, and mongotop.

17) MongoDB only provides Enterprise packages for Ubuntu _____ LTS

- a) 13.04 b) 12.10 c) **12.04** d) 13.10

Explanation: The package structure and names have changed as of version 2.6.

18) Which of the following is Ubuntu package management tool ?

- a) wap t b) **dpkg** c) capt d) wat

Explanation: The Ubuntu package management tools (i.e. dpkg and apt) ensure package consistency and authenticity by requiring that distributors sign packages with GPG keys.

19) _____ package contains the mongo shell.

- a) mongodb-enterprise b) mongodb-enterprise-server
c) **mongodb-enterprise-shell** d) none of the mentioned

Explanation: mongodb-enterprise-mongos package contains the mongos daemon.

A _____ key is either an indexed field or an indexed compound field that exists in every document in the collection.

- a) cluster b) **shard** c) partition d) all of the mentioned

Explanation: Sharding partitions a collection's data by the shard key.

No SQL

1) Which of the following is not a NoSQL database?

- a) **SQL Server** b) MongoDB c) Cassandra d) None of the mentioned

Explanation: Microsoft SQL Server is a relational database management system developed by Microsoft.

2) Which of the following is a NoSQL Database Type?

- a) SQL b) **Document databases** c) JSON d) All of the mentioned

Explanation: Document databases pair each key with a complex data structure known as a document.

3) Which of the following is a wide-column store?

- a) **Cassandra** b) Riak c) MongoDB d) Redis

Explanation: Wide-column stores such as Cassandra and HBase are optimized for queries over large datasets, and store columns of data together, instead of rows.

4) Point out the wrong statement :

- 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 mentioned

Explanation: There's also no way, using a relational database, to effectively address data that's completely unstructured or unknown in advance.

5) "Sharding" a database across many server instances can be achieved with :

- a) LAN b) **SAN** c) MAN d) All of the mentioned

Explanation: "Sharding" a database across many server instances can be achieved with SQL databases, but usually is accomplished through SANs and other complex arrangements for making hardware act as a single server.

6) Most NoSQL databases support automatic _____, meaning that you get high availability and disaster recovery

- a) processing b) scalability c) **replication** d) All of the mentioned

Explanation: The storage environment is essentially virtualized from the developer's perspective.

7) Which of the following are the simplest NoSQL databases?

- a) **Key-value** b) Wide-column c) Document d) All of the mentioned

Explanation: Every single item in the database is stored as an attribute name (or "key"), together with its value in Key-value stores.

8) _____ stores are used to store information about networks, such as social connections.

- a) Key-value b) Wide-column c) Document d) **Graph**

Explanation: Graph stores include Neo4J and HyperGraphDB.

9) NoSQL databases are used mainly for handling large volumes of _____ data.

- a) **unstructured** b) structured c) semi-structured d) All of the mentioned

Explanation: MongoDB is an a typical choice for unstructured data storage.

10) The MongoDB instance stores its _____ files in /var/lib/mongo by default

- a) log b) **data** c) replica d) All of the mentioned

Explanation: You can specify alternate log and data file directories in /etc/mongod.conf.

11) The MongoDB process listens on port _____ by default

- a) **27017** b) 27170 c) 27107 d) 26017

Explanation: Clients connect to the MongoDB process, optionally authenticate themselves if security is turned on, and perform a sequence of actions, such as inserts, queries and updates.

12) Which of the following file is not a MongoDB configuration file?

- a) mongod.conf b) **mongod.conf** c) mongod.conf d) None of the mentioned

Explanation: The Enterprise packages include an example SNMP configuration file named mongod.conf.

13) User account running mongod has _____ permissions for the directory.

- a) write only b) read only c) **read and write** d) None of the mentioned

Explanation: To run MongoDB, run the mongod process at the system prompt.

14) MongoDB is installed unattended on Windows from the command line using :

- a) msi.exe b) **msiexec.exe** c) exec.exe d) None of the mentioned

Explanation: MongoDB requires a data directory to store all data. MongoDB's default data directory path is \data\db.

15) Sometimes mongod.exe is visible on public networks without running in _____ Mode with the auth setting.

- a) Permanent b) **Secure** c) Primary d) Protected