**Session 01**

**1. Which of the following options is the data storage model of NoSQL databases?**

a. Document

b. Tables with fixed rows and columns

c. Key-value

d. Graph

**2. Which of the following statements are not true about NoSQL databases?**

a. It has flexible schema.

b. It supports Horizontal scaling.

c. The data architectures offered by NoSQL databases are more versatile than the data architectures offered by the relational database tables.

d. It offers only read scalability.

**3. Document database stores data in which of the following format?**

a. JSON

b. BSON

c. Google Docs

d. XML

**4. Which of the following is the default port for MongoDB which listens to the client for connection?**

a. 27017

b. 20717

c. 21071

d. 20171

**5. Which of the following service does MongoDB cloud Atlas provides?**

a. Infrastructure as a service

b. Platform as a service

c. Data as a service

d. Function as a service

**Session 02**

**1. Which of the following file formats can be imported into MongoDB instance using the mongoimport database tool?**

a. CSV

b. JSON

c. DBF

d. TSV

**2. Which of the following commands is used to view the databases on the MongoDB server?**

a. show databases

b. view dbs

c. show dbs

d. view databases

**3. Consider that the user wants to create a database named Employee\_detail. Which of the following commands must be used to create the database?**

a. use Employee\_detail

b. create Employee\_detail

c. create database Employee\_detail

d. use database Employee\_detail

**4. Which of the following datatypes is used to store embedded documents in MongoDB?**

a. Array

b. Object

c. String object

d. Array Object

**5. Which of the following is the correct syntax to delete a collection from the current database?**

a. db.collection.drop

b. db.drop

c. db.collection.delete

d. db.delete

**Session 03**

**1. Which of the following comparison operator will allow you to list only the documents that contain a field whose value matches with any value in the specified array?**

a. $in

b. $nin

c. $ne

d. $ni

**2. Consider that marks is a collection which consists of a field score. Which of the following option will you use to find only the score value of datatype string?**

a. db.marks.find( { "Score" : { $type : 1}}) 1 – double

b. db.marks.find( { "Score" : { $type : 2}}) 2 – string

c. db.marks.find( { "Score" : { $type : 16}}) 16 – 32 bit int

d. db.marks.find( { "Score" : { $type : 3}}) 3 – object

**3. Consider that marks is a collection that consists of a field subject\_marks which is an array. Which of the following option will list documents with subject\_marks field of size 3?**

a. db.subject\_marks.find({marks:{$size:3}})

b. db.marks.find({subject\_marks:{size:3}})

c. db.marks.find({"$subject\_marks":{$size:3}})

d. db.marks.find({subject\_marks:{$size:3}})

**4. Which of the following projection operator will project the first element in an array that matches the query condition?**

a. $slice

b. $first

c. $

d. $elementfirst

**5. Which of the following syntax allows you to remove the first element in the marks array?**

a. { $pop: { marks: -1 }}

b. { $pop: { marks: 1 }}

c. { $pop: { marks: 0 }

d. { $pop: { marks: $first}

**Sesion 04**

**1. Which of the following statement is true about the aggregation pipeline in MongoDB?**

a. It refers to a specific flow of operations that processes, transforms, and returns results.

b. It consists of one or more stages that process documents.

c. Each stage takes input from the previous stage.

d. Documents pass through the stages in random order.

**2. Which of the following stage is usually the last stage of an aggregate pipeline?**

a. $group

b. $sort

c. $merge

d. $skip

**3. Consider that you have a collection emp\_detail which consists of 20 documents. You must display only eight documents leaving the first two documents. Which of the following options will perform the given task using the $limit and $skip stages in any order?**

a. db.emp\_detail.aggregate([{$limit: 10},{$skip: 2}])

b. db.emp\_detail.aggregate([{$skip: 2},{$limit: 8}])

c. db.emp\_detail.aggregate([{$limit: 8},{$skip: 2}])

d. db.emp\_detail.aggregate([{$skip: 2},{$limit: 10}])

**4. Which of the following aggregation pipeline stages in MongoDB provides you to write the results of the aggregation pipeline to a collection?**

a. $project

b. $group

c. $out

d. $merge

**5. Which of the following string expression operator is used to split a string into substrings based on a delimiter and returns an array of substrings?**

a. $substr

b. $split

c. $trim

d. $substrBytes

**Session 05**

**1. Which of the following option is used to run a command against the current database?**

a. db.commandRun

b. db.runAdmin

c. db.runDatabase

d. db.runCommand

**2. Which of the following options are the required fields of createUser command?**

a. pwd

b. mechanisms

c. createUser

d. roles

**3. Which of the following field of the deletes array field of delete command represents the query that matches the documents to delete?**

a. query

b. q

c. qy

d. deleteQuery

**4. Which of the following query will return the total number of documents in the inventory collection?**

a. db.runCommand({count: "inventory"})

b. db.runCommand({aggregate: "inventory"})

c. db.runCommand({aggregate: {count:"inventory"}})

d. db.runCommand({sum: {count:"inventory"}})

**5. Which of the following query returns the distinct values for the field designation from all the documents in the employee collection?**

a. db.runCommand ( { distinct: "employee", :"designation" } )

b. db.runCommand ( { unique: "employee", key:"designation" } )

c. db.runCommand ( { distinct: "employee", key: "designation" } )

d. db.runCommand ( { unique: "employee", field:"designation" } )

**Session 06**

**1. Which of the following options are used to count all the documents in the inventory collection?**

a. db.inventory.countDocuments({})

b. db.inventory.countDocuments()

c. db.inventory.countDocuments().all()

d. db.inventory.countAllDocuments()

**2. Which of the following option is the correct syntax of the findOneAndUpdate method?**

a. db.collection.findOneAndUpdate(filter, query, update)

b. db.collection.findOneAndUpdate(field, update, options)

c. db.collection.findOneAndUpdate(filter, update, options)

d. db.collection.findOneAndUpdate(query,field,update)

**3. Consider that you have created a collection named product\_price with the fields: product\_id, product\_name, and product\_price. Which of the following query will you use to create a view named Product\_price\_lessthan\_2000 from the product\_price collection in the product database?**

a. db.createView("Product\_price\_lessthan2000","product"

,[{ $match: { product\_price: {$lt:2000} }}])

b. db.product.createView("Product\_price\_lessthan2000","

product", [{ $match: { product\_price: {$lt:2000} }}])

c. db.createView("Product\_price\_lessthan2000","product"

,[{ $group: { product\_price: {$lt:2000} }}])

d. db.createView("Product\_price\_lessthan2000","product"

,[{ $project: { product\_price: {$lt:2000} }}])

**4. Which of the following query will you use to display the roles and privileges of the role named user1\_role from the product database.**

a. db.viewRole( "user1\_role", { privileges: true } )

b. db.getRole( "user1\_role", { showPrivileges: true } )

c. db.product.getRole( "user1\_role", { showPrivileges: true } )

d. db.viewRolePrivileges( "mynewrole", { showPrivileges: true } )

**5. Which of the following user management method will allow you to change the password of a user for the current database?**

a. db.userPasswordchange(username, passoword)

b. db.PasswordChange(username, passoword)

c. db.userChangePassword(username, passoword)

d. db.changeUserPassword(username, passoword)

**Session 07**

**1. Which of the following statements are true about creating indexes in MongoDB?**

a. It provides a default index named \_id for each collection.

b. Default indexes cannot be dropped.

c. An index cannot hold references to more than one field of the documents.

d. Indexes store the references in ascending or descending order.

**2. Which of the following option is the correct syntax for creating multikey index?**

a. db.collections.createIndex(<fieldname,type>)

b. db.collections.createIndex(<arrayname,type>)

c. db.collections.createIndex(<indexname>)

d. db.collections.createIndex(<key,type>)

**3. Which of the following is the correct syntax for creating a wildcard index on all fields in a document except the \_id field?**

a. db.collection.createIndex( { "#\*\*" : 1 } )

b. db.collection.createIndex( { "&\*\*" : 1 } )

c. db.collection.createIndex( { "$\*\*" : 1 } )

d. db.collection.createIndex( { "\*\*\*" : 1 } )

**4. Which of the following statements are true about wildcard index?**

a. Users can create indexes on unknown fields.

b. Users can create indexes on unstructured schema.

c. Users can create the index either using createIndex or createIndexes commands.

d. Wildcard index does not omit the \_id field by default.

**5. Which of the following data type is not supported by hash index?**

a. strings

b. integer

c. double

d. arrays