QUESTION BANK UNSTRUCTURED DATABASE

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1) Differentiate Between Mongoose and Mongosh.

2) Explain Mongosh and mention 5 attributes that can be used along with the command Mongosh.

3) Explain the use of aggregate commands along with example.

4) Explain Pipeline in Mongo DB with Example.

5) Mention all the types of aggregate commands available in Mongo DB.

6) Differentiate between updateOne and updateMany along with examples.

7) In which scenario, you would prefer to use insertMany and insertOne.

8) Differentiate between Mongo DB Compass and Atlas.

9) Write the steps to configure Mongo DB Atlas.

10) Explain the use of Studio 3T over Compass.

11) Explain the following operations in Mongo DB using an example:

12) How to create a collection and access that collection which has a space in between the name of the collection. Eg: (Adamas University) collection

13) Explain the reason why we require a port number in order to use Mongo DB.

14) What is the default port number of Mongo DB running on local host?

15) Differentiate between Structure, Unstructured and Semi-Structure.

16) What do you mean by Data Models? Explain the types of Data Models.

17) Give reason why Mongo DB uses BSON to store Data.

18) Difference between JSON and BSON.

19) Explain the client-server architecture of Mongo DB with the help of Diagram.

20) Difference between a structure database and an unstructured database. Give practical case studies to justify the use of Unstructured DB to tackle the challenges faced by developers.

21) Define sharding in Mongo DB with example.

22) How can we use group by in multiple documents of a collection stored in a database of Mongo DB server. Are all attributes applicable for grouping? Give valid reason to support your answer.

23) Explain the perspective of choosing limit while fetching the data from Mongo DB.

24) Write the python program to connect to a Mongo DB server running in local host and fetch all the details and display it in terminal of Python.

25) When do we use delete and when do we use drop?

26) Explain the use and benefit of indexing documents in a mongo DB database.

27) Write a query to index all the documents of a collection c1 inside the database d1.

28) Write a script to display all the documents in a Mongo DB collection c1 having an attribute age and display only those documents where the age is only even.

29) What is the significance of storing a structure data in a unstructured database management like Mongo DB. Will you recommend storing a structure data in Mongo DB.

30) How do we store images in Mongo DB.

31) Like we have joins in Structure database what do you have in Mongo DB.

32) Mention all the data types supported by Mongo DB.

33) Explain schema with reference to Mongo DB.

34) Explain the use of save() function in Mongo DB.

35) Explain projection in MongoDB with example.

36) Explain ensure index in MongoDB. Also mention the arguments accepted by ensure index.

37) Explain all the arguments accepted by aggregation in MongoDB.

38) What is replication in MongoDB? Why should we go for replication?

39) Explain the step-by-step process of creating a replica server with proper commands.

40) Write the query for getting the date and time of creation of MongoDB document from ObjectID.

41) Differentiate between OLAP and OLTP with examples.

42) Differentiate between Warehouse and Data Lake.

43) How foreach() provides more flexibility in writing script which can do any kind of manipulation in documents of MongoDB database.

44) What is the disadvantage of writing a single query and manipulating in a document and any document with foreach() ?

45) Explain the roles of clusters in MongoDB Atlas.