

QUIZ

Started on	Monday, 11 December 2023, 9:00 PM
State	Finished
Completed on	Monday, 11 December 2023, 9:22 PM
Time taken	21 mins 46 secs
Grade	27.00 out of 40.00 (67.5%)

Question 1

Incorrect

Mark 0.00 out of 1.00

Which of the following views will allow DML operations?

- ☐ a. View based on ORDER BY clause
- ☒ b. View based on GROUP BY clause ❌
- ☐ c. View based on join
- ☐ d. None of the above

Your answer is incorrect.

The correct answer is:

None of the above

Question 2

Correct

Mark 1.00 out of 1.00

Which one of the following refers to the copies of the same data (or information) occupying the memory space at multiple places.

- ☒ a. Data Redundancy ✔️
- ☐ b. Data Mining
- ☐ c. Data Inconsistency
- ☐ d. Data Repository

The correct answer is: Data Redundancy

Question 3

Incorrect

Mark 0.00 out of 1.00

Which of the following refers to the level of data abstraction that describes exactly how the data actually stored?

- ☒ a. Logical Level ❌
- ☐ b. Physical Level
- ☐ c. Conceptual Level
- ☐ d. File Level

The correct answer is: Physical Level

Question 4

Correct

Mark 1.00 out of 1.00

Which of the following can be used to extract or filter the data & information from the data warehouse?

- ☐ a. Data redundancy
- ☒ b. Data mining ✔️
- ☐ c. Both B and C
- ☐ d. Data recovery tool

The correct answer is: Data mining

Question 5

Correct

Mark 1.00 out of 1.00

How can you remove documents from a collection in MongoDB?

- ☐ a. delete() method
- ☐ b. drop() method
- ☐ c. erase() method
- ☒ d. remove() method ✔️

The correct answer is: remove() method

Question 6

Correct

Mark 1.00 out of 1.00

What do you mean by one to many relationships?

- ☒ a. One teacher can have many classes ✓
- ☐ b. Many teachers may have many classes
- ☐ c. One class may have many teachers
- ☐ d. Many classes may have many teachers

The correct answer is: One teacher can have many classes

Question 7

Correct

Mark 1.00 out of 1.00

Which of the following commands is used to save any transaction permanently into the database?

- ☒ a. Commit ✓
- ☐ b. Savepoint
- ☐ c. None of the above
- ☐ d. Rollback

The correct answer is: Commit

Question 8

Incorrect

Mark 0.00 out of 1.00

The term "Data" refers to:

- ☐ a. Basic information
- ☐ b. Row Facts and figures
- ☐ c. The electronic representation of the information(or data)
- ☒ d. Both A and C ✗

The correct answer is: Row Facts and figures

Question 9

Incorrect

Mark 0.00 out of 1.00

Which of the following refers to the number of tuples in a relation?

- ☐ a. Cardinality
- ☒ b. Entity ❌
- ☐ c. Column
- ☐ d. None of the above

The correct answer is: Cardinality

Question 10

Correct

Mark 1.00 out of 1.00

In the following Query, which of the following can be placed in the Query's blank portion to display the salary from highest to lowest amount, and sorting the employs name alphabetically?

SELECT * FROM instructor ORDER BY salary ____, name ____;

- ☐ a. Ascending, Descending
- ☐ b. Asc, Desc
- ☒ c. Desc, Asc ✔️
- ☐ d. All of the above

Your answer is correct.

The correct answer is:

Desc, Asc

Question 11

Correct

Mark 1.00 out of 1.00

Which of the following is the primary storage unit in MongoDB?

- ☒ a. Document ✓
- ☐ b. Table
- ☐ c. Row
- ☐ d. Field

The correct answer is: Document

Question 12

Correct

Mark 1.00 out of 1.00

Which operator is used for equality in MongoDB queries?

- ☒ a. \$eq ✓
- ☐ b. \$ne
- ☐ c. \$lt
- ☐ d. \$gt

The correct answer is: \$eq

Question 13

Correct

Mark 1.00 out of 1.00

Which of the following provides the ability to query information from the database and insert tuples into, delete tuples from, and modify tuples in the database?

- ☐ a. Query
- ☐ b. DDL(Data Definition Language)
- ☒ c. DML(Data Manipulation Language) ✓
- ☐ d. Relational Schema

The correct answer is: DML(Data Manipulation Language)

Question 14

Correct

Mark 1.00 out of 1.00

Which of the following command can be used in mongo shell to show all the databases in your MongoDB instance?

- ☒ a. show dbs ✓
- ☐ b. show dbs -all
- ☐ c. show databases
- ☐ d. ls dbs

The correct answer is: show dbs

Question 15

Correct

Mark 1.00 out of 1.00

_____ indicates the maximum number of entities that can be involved in a relationship.

- ☐ a. ERD
- ☐ b. Minimum cardinality
- ☒ c. Maximum cardinality ✓
- ☐ d. Greater Entity Count

The correct answer is: Maximum cardinality

Question 16

Correct

Mark 1.00 out of 1.00

In general, a file is basically a collection of all related_____?

- ☐ a. Fields
- ☒ b. Records ✓
- ☐ c. Rows & Columns
- ☐ d. Database

The correct answer is: Records

Question 17

Correct

Mark 1.00 out of 1.00

Which type of indexes does MongoDB support?

- ☒ a. All of the above ✓
- ☐ b. Geospatial Indexes
- ☐ c. Compound Indexes
- ☐ d. Multikey Indexes

The correct answer is: All of the above

Question 18

Correct

Mark 1.00 out of 1.00

A huge collection of the information or data accumulated from several different sources is known as _____:

- ☐ a. Data Management
- ☐ b. Both B and C
- ☒ c. Data Warehouse ✓
- ☐ d. Data Mining

The correct answer is: Data Warehouse

Question 19

Correct

Mark 1.00 out of 1.00

The Database Management Query language is generally designed for the _____

- ☐ a. support in the development of the complex applications software
- ☒ b. All of the above ✓
- ☐ c. Specifying the structure of the database
- ☐ d. Support end-users who use English like commands

The correct answer is: All of the above

Question 20

Correct

Mark 1.00 out of 1.00

Which of the following commands create an unique index on author field of the posts collection?

- ☐ a. `db.posts.createIndexUnique({"author":1 });`
- ☐ b. `db.posts.createIndex({"author": { $unique :1 } });`
- ☒ c. `db.posts.createIndex({"author":1 }, {"unique": true});` ✓
- ☐ d. `db.posts.createIndex({"author": unique });`

The correct answer is: `db.posts.createIndex({"author":1 }, {"unique": true});`

Question 21

Correct

Mark 1.00 out of 1.00

Which one of the following given statements possibly contains the error?

- ☒ a. `select empid where empid = 1009 and Lastname = 'GELLER';` ✓
- ☐ b. `select empid from emp;`
- ☐ c. `select empid from emp where empid = 10006;`
- ☐ d. `select * from emp where empid = 10003;`

The correct answer is: `select empid where empid = 1009 and Lastname = 'GELLER';`

Question 22

Correct

Mark 1.00 out of 1.00

Which of the following is generally used for performing tasks like creating the structure of the relations, deleting relation?

- ☒ a. DDL(Data Definition Language) ✓
- ☐ b. DML(Data Manipulation Language)
- ☐ c. Query
- ☐ d. Relational Schema

The correct answer is: DDL(Data Definition Language)

Question 23

Incorrect

Mark 0.00 out of 1.00

What is the relation calculus?

- ☒ a. It is a kind of procedural language ❌
- ☐ b. It is a high-level language
- ☐ c. It is a non-procedural language
- ☐ d. It is Data Definition language

The correct answer is: It is a non-procedural language

Question 24

Incorrect

Mark 0.00 out of 1.00

The database management system can be considered as the collection of _____ that enables us to create and maintain the database?

- ☐ a. Language activity
- ☐ b. Programs
- ☒ c. Keys ❌
- ☐ d. Translators

The correct answer is: Programs

Question 25

Correct

Mark 1.00 out of 1.00

In MongoDB, what is the function of the find() method?

- ☒ a. Retrieve documents from a collection ✔️
- ☐ b. Insert documents into a collection
- ☐ c. Update documents in a collection
- ☐ d. Delete documents from a collection

The correct answer is: Retrieve documents from a collection

Question 26

Correct

Mark 1.00 out of 1.00

Which normal form is the partial dependency removed?

- ☐ a. Third
- ☒ b. Second ✓
- ☐ c. First
- ☐ d. BCNF

The correct answer is: Second

Question 27

Incorrect

Mark 0.00 out of 1.00

The problem caused by independent multivalued dependencies is eliminated in which of the normal form?

- ☐ a. 3NF
- ☐ b. 4NF
- ☒ c. BCNF ✗
- ☐ d. 5NF

The correct answer is: 4NF

Question 28

Incorrect

Mark 0.00 out of 1.00

Which is not the relational algebra operator?

- ☐ a. Join
- ☐ b. Cartesian product
- ☒ c. Rename ✗
- ☐ d. Set difference

The correct answer is: Set difference

Question 29

Correct

Mark 1.00 out of 1.00

What is the default port number for MongoDB?

- ☐ a. 5432
- ☐ b. 8080
- ☐ c. 3306
- ☒ d. 27017 ✓

The correct answer is: 27017

Question 30

Incorrect

Mark 0.00 out of 1.00

In which one of the following, the multiple lower entities are grouped (or combined) together to form a single higher-level entity?

- ☒ a. Aggregation ✗
- ☐ b. Specialization
- ☐ c. None of the above
- ☐ d. Generalization

The correct answer is: Generalization

Question 31

Incorrect

Mark 0.00 out of 1.00

The given Query can also be replaced with_____:

SELECT name, course_id FROM instructor, teaches WHERE instructor_ID= teaches_ID;

- ☒ a. Select name, course_id from teaches, instructor where instructor_id=course_id; ❌
- ☐ b. Select name, course_id from instructor natural join teaches;
- ☐ c. Select name, course_id from instructor;
- ☐ d. Select course_id from instructor join teaches;

Your answer is incorrect.

The correct answer is:

Select name, course_id from instructor natural join teaches;

Question 32

Incorrect

Mark 0.00 out of 1.00

Which command is used to create a new database in MongoDB?

- ☐ a. CREATE DATABASE
- ☒ b. DB.CREATE() ❌
- ☐ c. None of the above
- ☐ d. USE DATABASE

The correct answer is: None of the above

Question 33

Incorrect

Mark 0.00 out of 1.00

A Database Management System is a type of _____ software.

- ☐ a. Both A and C
- ☐ b. It is a kind of application software
- ☒ c. It is a kind of general software ❌
- ☐ d. It is a type of system software

The correct answer is: It is a type of system software

Question 34

Correct

Mark 1.00 out of 1.00

When a primary key is define in the table, DBMS automatically creates a ____ on a primary key column

- ☒ a. Unique index ✓
- ☐ b. Sequence
- ☐ c. Trigger
- ☐ d. Synonym

The correct answer is: Unique index

Question 35

Correct

Mark 1.00 out of 1.00

Which one of the following refers to the "data about data"?

- ☐ a. Warehouse
- ☐ b. Sub Data
- ☒ c. Meta Data ✓
- ☐ d. Directory

The correct answer is: Meta Data

Question 36

Correct

Mark 1.00 out of 1.00

Which of the following refers collection of the information stored in a database at a specific time?

- ☒ a. Instance of the database ✓
- ☐ b. Schema
- ☐ c. Independence
- ☐ d. Data domain

The correct answer is: Instance of the database

Question 37

Correct

Mark 1.00 out of 1.00

Which one of the following refers to the total view of the database content?

- ☒ a. Conceptual view ✓
- ☐ b. Internal view
- ☐ c. External view
- ☐ d. Physical view

The correct answer is: Conceptual view

Question 38

Correct

Mark 1.00 out of 1.00

What type of NoSQL database is MongoDB?

- ☐ a. Graph-based
- ☐ b. Key-Value
- ☒ c. Document-based ✓
- ☐ d. Relational

The correct answer is: Document-based

Question 39

Correct

Mark 1.00 out of 1.00

SELECT emp_name FROM department WHERE dept_name LIKE ' ____ Computer Science';

In the above-given Query, which of the following can be placed in the Query's blank portion to select the "dept_name" that also contains Computer Science as its ending string?

- ☐ a. &
- ☐ b. _
- ☒ c. % ✓
- ☐ d. \$

Your answer is correct.

The correct answer is:

%

Question 40

Incorrect

Mark 0.00 out of 1.00

Which of the following is a top-down approach in which the entity's higher level can be divided into two lower sub-entities?

- ☐ a. All of the above
- ☐ b. Aggregation
- ☒ c. Generalization ✗
- ☐ d. Specialization

The correct answer is: Specialization