

Database Technologies(DBT) Mock CCEE

Total points 21/40 ?

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✓ Which column attribute enables the generation of sequential numbers automatically for identification? 1/1

- ☒ AUTO_INCREMENT
- ☐ UNSIGNED
- ☐ IDENTIFY
- ☐ DESCRIBE



✓ When you see SQL statements to create or modify the structure of a database, SQL is being used as : 1/1

- ☐ a Data Manipulation Language(DML)
- ☐ a Database Management Solution(DBMS)
- ☒ a Data Definition Language(DDL)
- ☐ a Data Control Language(DCL)



✓ Which of the following is a wrong statement? 1/1

- ☐ A subquery can be nested with another subquery
- ☐ We can use subquery in clauses such as SELECT, INSERT, UPDATE, DELETE
- ☐ A MySQL subquery is called an inner query while the query that contains the subquery is called an outer query
- ☒ A subquery cannot return more than one value



✗ Which of the following is a wrong statement?

0/1

- ☐ WITH CHECK OPTION in view is applicable only for updatable views.
- ☐ Different views can be created on the same table for different users.
- ☒ A view can hide the complexity that exists in multiple table join. ✗
- ☐ We cannot use WITH CHECK OPTION while creating a view.

Correct answer

- ☒ We cannot use WITH CHECK OPTION while creating a view.

✓ Which index maintenance task discards the entire index and recreates it? 1/1

- ☐ Refresh
- ☐ Remake
- ☐ Reorganize
- ☒ Rebuild ✓

Untitled section

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✗ Which of the following is a correct statement?

0/1

- ☐ When compared to relational databases, NoSQL databases are more scalable and provide superior performance.
- ☐ Non-Relational databases require that schemas be defined before you can add data.
- ☒ NoSQL databases are built to allow the insertion of data with a predefined schema ✗
- ☐ SQL Server is a type of NoSQL Database

Correct answer

- ☒ When compared to relational databases, NoSQL databases are more scalable and provide superior performance.

✗ What is the purpose of a foreign key?

0/1

- ☐ Foreign keys are the unique identifier for the table
- ☐ Foreign keys refer to the primary key in another table to link the two tables together
- ☐ Foreign keys refer to a foreign key in another table to link the two tables together
- ☒ Foreign keys are used to update a row in a table ✗

Correct answer

- ☒ Foreign keys refer to the primary key in another table to link the two tables together



✓ A query that is execute inside of another query is called as _____ 1/1

- ☐ Embedded Query
- ☒ Subquery
- ☐ Secondary Query
- ☐ Join Query



✓ Which operator is used to test whether or not a value lies within a specific range? 1/1

- ☐ LIKE
- ☒ BETWEEN
- ☐ IN
- ☐ FOR



✗ How can a constraint be placed on a table where a field will contain the value "Rohan" if nothing is provided? 0/1

- ☐ CREATE TABLE People(FirstName TEXT CONSTRAINT "Rohan", address TEXT);
- ☐ CREATE TABLE People(FirstName TEXT DEFAULT "Rohan", address TEXT);
- ☒ CREATE TABLE People(FirstName TEXT DEFAULT("Rohan"), address TEXT);
- ☐ CREATE TABLE People(FirstName TEXT DEFAAULT= "Rohan", address TEXT);



Correct answer

- ☒ CREATE TABLE People(FirstName TEXT DEFAULT "Rohan", address TEXT);



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✓ The names of columns can be altered in a query's result by using the _____ keyword. 1/1

- ☐ NAMED
- ☐ RENAME
- ☐ ALIAS
- ☒ AS



✓ Identify the wrong statement from the following: 1/1

- ☐ Primary key cannot hold NULL values
- ☒ Unique Key can hold NULL values
- ☐ A Primary Key in a table can be referred to as a Foreign Key in another table
- ☐ One or more fields can be declared as a unique key



✓ How many primary keys can we have in an MySQL table? 1/1

- ☒ Only 1
- ☐ Only 2
- ☐ Depends on no of Columns
- ☐ Depends on DBA



✗ To iterate the cursor and return more documents, which one of the following keyword in the mongo shell would we type?

0/1

☒ Cursor

✗

☐ it

☐ next

☐ more

Correct answer

☒ next

✗ Which of the following is a wrong statement?

0/1

☐ In MongoDB, field names cannot start with the dollar sign (\$) character

☒ In MongoDB, field names cannot contain dot(.) character

✗

☐ BSON documents cannot have more than one field with the same name

☐ BSON is a serialization format encoding format for JSON

Correct answer

☒ BSON documents cannot have more than one field with the same name

Untitled section

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✗ Identify the correct statement from the following:

0/1

- ☐ We cannot use where clause with DELETE comand.
- ☐ TRUNCATE command delete all rows of a table in one go:
- ☐ DELETE command is comparatively faster than TRUNCATE command
- ☒ In case of DROP statement, we can restore the table using ROLLBACK statement

✗

Correct answer

- ☒ TRUNCATE command delete all rows of a table in one go:

✗ What does "OPEN cursor_name" statement would do when working with cursors in MYSQL (cursor_name is any string value eg: OPEN rowsToProcess)

0/1

- ☒ Opens a previously declared cursor
- ☐ Fetches the next row for the SELECT statement associated with the specified cursor
- ☐ Declares a cursor
- ☐ Closes a cursor

✗

Correct answer

- ☒ Fetches the next row for the SELECT statement associated with the specified cursor



✓ To get all the rows that are common in both tables based on the condition specified, use _____. 1/1

- ☐ Self Join
- ☒ Inner Join
- ☐ Outer Join
- ☐ Full Join



✗ In MySQL, if you would like to throw your own exceptions, you can do so by changing SQLSTATE using _____ keyword. 0/1

- ☐ SIGNAL
- ☐ SQLEXCEPTION
- ☒ DECLARE
- ☐ END



Correct answer

- ☒ SIGNAL

✓ Which of the following is not a NoSQL database? 1/1

- ☒ SQL server
- ☐ MongoDB
- ☐ Cassandra
- ☐ Hbase



Untitled section

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✓ How are transactions handled within a database?

1/1

- ☐ Failed operations are ignored, and the transaction continues with the successful operations
- ☐ if any of the operations fails, then those operations are flagged for review at the end of the transaction.
- ☐ If any of the operations fails, then the entire group of operations is deleted from the database?
- ☒ if any of the operations fails, then the entire group of operations fail. ✓

✗ Which of the following is a wrong statement?

0/1

- ☒ MySQL removes the temporary table automatically when the session ends or the connection terminated ✗
- ☐ A temporary table is only available and accessible to the client
- ☐ A temporary table can have the same name as a normal table in a database.
- ☐ MySQL does not support Temporary Table

Correct answer

- ☒ MySQL does not support Temporary Table



✓ For which of the following MySQL Triggers are not supported?

1/1

- ☐ delete
- ☐ update
- ☐ insert
- ☒ views



✗ When you use an aggregate function without a groupby clause, how many results do you expect? 0/1

- ☐ One
- ☐ Two
- ☐ Zero
- ☒ All the records in a table



Correct answer

- ☒ One



✗ Two tables are defined as table1 and table 2 below:

0/1

What will the output when the below query is executed ?

SELECT table1.upperbirth, table2.lowerbirth FROM table1 JOIN table2 on
table1.id=table2.id

table1	
id	upperbirth
0	S0
1	S1
table2	
id	lowerbirth
1	B0
2	B1

upperbirth	lowerbirth
S1	B0

☐ Option 1

upperbirth	lowerbirth
S0	NULL
S1	B0

☐ Option 2

upperbirth	lowerbirth
0 S0	
2 B1	

☒ Option 3

✗

upperbirth	lowerbirth
S1	B0
NULL	B1

☐ Option 4



Correct answer

☒ Option 1

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✗ Which code returns the only column pgdac, pgdbda and pgdesd from the cdac table? 0/1

- ☐ SELECT pgdac, pgdbda, pgdesd FROM cdac;
- ☐ SELECT pgdacpgdbdapgdesd FROM cdac;
- ☐ SELECT * from cdacpgdac, pgdbda,pgdesd;
- ☒ SELECT *, pgdac, pgdbda, pgdesd FROM cdac;

✗

Correct answer

- ☒ SELECT pgdac, pgdbda, pgdesd FROM cdac;

✗ Identify the correct statement from the following: 0/1

- ☐ LIKE clause can work with only one operator %
- ☐ LIKE clause cannot work with operator _
- ☐ LIKE clause can work with two operators % and _
- ☐ LIKE clause can work with operators % and ?



✓ Which of the these tasks can you accomplish using SQL as a DML? 1/1

- ☒ Inserting a record into the table
- ☐ Deleting the database
- ☐ Allowing a new user access to read data from a table
- ☐ Removing a column from a table



✓ What is the difference between a PRIMARY KEY and a UNIQUE KEY? 1/1

- ☐ Primary key can store null value, where as a unique key cannot store null value
- ☒ Primary key has unique and not null value, where as a unique key has unique values
- ☐ Primary key cannot be a date variable whereas unique key can be
- ☐ Primary key has unique values whereas a unique key has unique and not null value



✗ Which of the below is not a valid TCL command? 0/1

- ☐ SAVEPOINT
- ☐ COMMIT
- ☒ ROLLBACK
- ☐ REVOKE



Correct answer

- ☒ REVOKE



✓ Which of the following is not a MySQL Storage Engine?

1/1

- ☐ MyISAM
- ☐ InnoDB
- ☐ CSV
- ☒ FEDERAL



✓ What is the latest SQL server version?

1/1

- ☐ SQL Server 2021
- ☐ SQL Server 2020
- ☐ SQL Server 2022
- ☒ SQL Server 2019



✓ Which of the following is a wrong statement?

1/1

- ☐ MySQL cursor is by default asensitive
- ☒ An insensitive cursor performs faster than an asensitive cursor
- ☐ MySQL cursor is read-only
- ☐ MySQL cursor is non-scrollable



✓ What is a complex view?

1/1

- ☐ A view that is created from only one table
- ☒ A view that is created from more than one table
- ☐ A view that does not contain groups of data
- ☐ A view that is used to update the data in the tables



✗ Which of the following is the correct IF statement syntax?

0/1

- ☐ IF boolean_expression { statement_block} FI
- ☒ IF boolean_expression START { statement_block} END
- ☐ IF boolean_expression BEGIN{ statement_block} END
- ☐ IF boolean_expression START { statement_block} FI



Correct answer

- ☒ IF boolean_expression BEGIN{ statement_block} END

Untitled section

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✗ The standard user and application program and statement interface(API) of a relational database is the 0/1

- ☐ Structured Query Language
- ☒ Sequential Query Language
- ☐ Relational Query Language
- ☐ Standard Query Language

✗

Correct answer

- ☒ Structured Query Language

✗ Which of the following function returns the current date and time? 0/1

- ☐ CURRENT_TIMESTAMP
- ☒ TIMESTAMP
- ☐ CURDATE
- ☐ CURTS

✗

Correct answer

- ☒ CURRENT_TIMESTAMP



✓ Which of the following command is used to insert data into collection in MongoDB? 1/1

- ☐ db.COLLECTION_NAME.update(document)
- ☒ db.COLLECTION_NAME.insert(document) ✓
- ☐ db.COLLECTION_NAME.create(document)
- ☐ db.COLLECTION_NAME.insertOne(document)

✓ Which syntax is followed by MySQL for stored routines? 1/1

- ☐ SQL:2000
- ☒ SQL:2003 ✓
- ☐ SQL:2005
- ☐ None of the above



✗ The __command can be used to show the metadata regarding the table created. 0/1

☐ SHOW

☒ EXPLAIN

✗

☐ FIND

☐ DESC

Correct answer

☒ DESC

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