

Database Technologies(DBT) Mock CCEE

Total points 14/40 ?

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0 of 0 points

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From which CDAC Centre are you? *

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Untitled section

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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? 0/1

- ☐ 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



Correct answer

- ☒ 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? 0/1

- ☒ Refresh ✗
- ☐ Remake
- ☐ Reorganize
- ☐ Rebuild

Correct answer

- ☒ 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?

1/1

- ☐ 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



✗ A query that is execute inside of another query is called as _____

0/1

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

✗

Correct answer

- ☒ Subquery

✓ 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? 1/1

- ☐ 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);

✓



Untitled section

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

0/1

- ☒ NAMED
- ☐ RENAME
- ☐ ALIAS
- ☐ AS

✗

Correct answer

- ☒ 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?

0/1

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

✗

Correct answer

- ☒ Only 1



✗ 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

2 of 5 points

✓ 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?

0/1

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



Correct answer

- ☒ views

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

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



✗ 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



Untitled section

1 of 5 points

✗ 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: 1/1

- ☐ 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?

0/1

- ☐ 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

✗

Correct answer

- ☒ Inserting a record into the table

✗ What is the difference between a PRIMARY KEY and a UNIQUE KEY?

0/1

- ☒ 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

✗

Correct answer

- ☒ Primary key has unique and not null value, where as a unique key has unique values



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

0/1

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

✗

Correct answer

- ☒ REVOKE

Untitled section

1 of 5 points

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

0/1

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

✗

Correct answer

- ☒ FEDERAL



✗ What is the latest SQL server version?

0/1

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

✗

Correct answer

- ☒ 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?

0/1

- ☐ 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

✗

Correct answer

- ☒ A view that is created from more than one table



✗ 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?

1/1

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



✗ Which of the following command is used to insert data into collection in MongoDB?

0/1

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



Correct answer

- ☒ db.COLLECTION_NAME.insert(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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