Database Technologies(DBT) Mock CCEE

Total points 17/40 ?

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From which CDAC Centre are you? *

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Untitled section   2 of 5 points

✓ **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   3 of 5 points

✗ **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 _____   1/1

○ Embedded Query

● Subquery   ✓

○ Secondary Query

○ Join Query

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

○ 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);

Untitled section   1 of 5 points

✕ 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:**   0/1

○ 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   ✗

Correct answer

◉ Unique Key can hold NULL values

✓ **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   0/1
   following keyword in the mongo shell would we type?

◉ 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

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Untitled section   1 of 5 points

✗ 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   1/1
    cursors in MYSQL (cursor_name is any string value eg: OPEN
    rowsToProcess)

○ Opens a previously declared cursor

⦿ Fetches the next row for the SELECT statement associated with the specified   ✓
    cursor

○ Declares a cursor

○ Closes a cursor

✗ To get all the rows that are common in both tables based on the condition 0/1
   specified, use _____.

○ Self Join

○ Inner Join

○ Outer Join

⦿ Full Join   ✗

Correct answer

⦿ Inner Join

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

○ SIGNAL

⦿ SQLEXCEPTION   ✗

○ DECLARE

○ END

Correct answer

⦿ SIGNAL

✕   Which of the following is not a NoSQL database?   0/1

○ SQL server

○ MongoDB

○ Cassandra

◉ Hbase   ✕

Correct answer

◉ SQL server

Untitled section   1 of 5 points

✕   How are transactions handled within a database?   0/1

◉ 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.
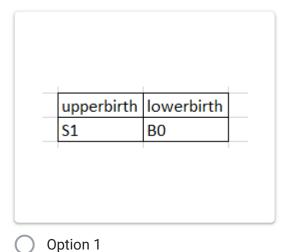
Correct answer

◉ if any of the operations fails, then the entire group of operations fail.
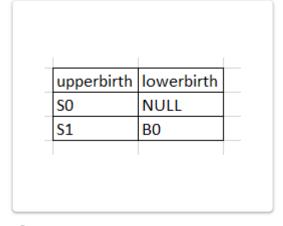
✕   Which of the following is a wrong statement?   0/1

◉   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**   0/1
   results do you expect?

◯ 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

Untitled section   **2 of 5 points**

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

○ 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 ?   ✕

Correct answer

◉ LIKE clause can work with two 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?**   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?**   1/1

○ SAVEPOINT

○ COMMIT

○ ROLLBACK

◉ 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?   0/1

◉ 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

Correct answer

◉ An insensitive cursor performs faster than an asensitive cursor

✓ **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?**   1/1

○ 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

Untitled section   3 of 5 points

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

◉ Structured Query Language   ✓

○ Sequential Query Language

○ Relational Query Language

○ Standard 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   1/1
   MongoDB?

○ 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?   0/1

○ SQL:2000

○ SQL:2003

◉ SQL:2005   ✗

○ None of the above

Correct answer

◉ SQL:2003

✕   The ___command can be used to show the metadata regarding the table   0/1
created.

⦿ SHOW   ✕

◯ EXPLAIN

◯ FIND

◯ DESC

Correct answer

⦿ DESC

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