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# ITS Database

ATTEMPT SCORE

**184.91666700000002 / 200****01 Multiple Choice****1 / 1**

Which of the following values cannot be stored in a character column defined as the primary key of a table?

- ☒ null
- ☐ 'null'
- ☐ '0'
- ☐ "

**02 Multiple Choice****1 / 1**

You have a table named Customer. You need to add a new column named District. Which statement should you use?

- A. `MODIFY TABLE Customer ADD (District INTEGER)`
- B. `ALTER TABLE Customer MODIFY (District INTEGER)`
- C. `MODIFY TABLE Customer (District INTEGER)`
- D. `ALTER TABLE Customer ADD (District INTEGER)`

- ☐ Option A
- ☐ Option C
- ☒ Option D
- ☐ Option B

**03 Multiple Choice****1 / 1**

You work as a MySQL Database Administrator.  
Your server crashed and it was recovered and made online within half an hour.  
What will you do to ensure that the table structure and contents are in a proper state?

- ☐ Perform a table analysis operation.
- ☐ Perform a table optimization operation.
- ☐ Perform a table repair operation.
- ☒ Perform a table check operation.



04 Multiple Choice

1 / 1

You are creating a table to store customer data. The AccountNumber column uses values that always consist of one letter and four digits.  
Which data type should you use for the AccountNumber column?

- ☐ BYTE
- ☐ SMALLINT
- ☐ DOUBLE
- ☒ CHAR



05 Matching

1 / 1

You need to set up a database to provide a view of North American mammals. Match the Structured Query Language (SQL) statements to the SQL query.

Instructions: To answer, drag the appropriate SQL statement from the column on the left to its place in the SQL query on the right. Each SQL statement may be used once, more than once, or not at all. Each correct match is worth one point.

Select and Place:

Code Segment

CREATE VIEW [dbo].[NorthAmericanMammals\_View]

GENERATE VIEW [dbo].[NorthAmericanMammals\_View]

AS JOIN a.Id, a.Name

AS SELECT a.Id, a.Name

FROM Animal a

JOIN Animal a

Answer Area

Code Segment

Code Segment

Code Segment

WHERE a.Class = 'Mammals'

AND a.InNorthAmerica = 1

First Code Segment

A  
CREATE VIEW [dbo].  
[NorthAmericanMammals\_View] ✓

Second Code Segment

B  
AS SELECT a.Id, a.Name ✓

Third Code Segment

C  
FROM Animal a ✓

CREATE VIEW [dbo].[NorthAmericanMammals\_View]

GENERATE VIEW [dbo].[NorthAmericanMammals\_View]

AS JOIN a.Id, a.Name

AS SELECT a.Id, a.Name

FROM Animal a

JOIN Animal a

06 Multiple Choice

1 / 1

You have a table that contains the following data.

ProductID	ProductCategory
32	books
25	books
67	movies
89	movies

Which database term is used to describe the relationship between ProductID and ProductCategory?

- ☐ Relationally dependent
- ☐ Cohort
- ☐ Deterministic
- ☒ Compositional

- ☐
- Functionally dependent

07 Multiple Choice

1 / 1

You need to establish a set of permissions that you can routinely assign to new users. What should you create?

- ☐ Resource
- ☒ Role
- ☐ Group
- ☐ List



08 Multiple Choice

1 / 1

You have a table that contains product IDs and product names.  
You need to write an UPDATE statement to change the name of a specific product to glass.

What should you include in the update statement?

- ☐ LET ProductName = 'glass'
- ☐ EXEC ProductName = 'glass'
- ☒ SET ProductName = 'glass'
- ☐ ASSIGN ProductName = 'glass'



09 Multiple Choice

1 / 1

One error that may occur is attempting to retrieve data with a well-written query but against the wrong \_\_\_\_\_.

- ☐ column
- ☐ row
- ☒ database
- ☐ table



10 Multiple Choice

1 / 1

Which of the following DML SQL statements support usage of correlated sub-queries? Each correct answer represents a complete solution.  
(Choose all that apply.)

- ☒ UPDATE

☒ SELECT

☒ DELETE

☐ INSERT
- ✓
- ✓

✓

✓

## 11 Multiple Choice

1 / 1

You are writing an SQL statement to retrieve rows from a table.  
Which data manipulation language (DML) command should you use?

- ☒ SELECT
- ☐ OUTPUT
- ☐ GET
- ☐ READ



## 12 Multiple Choice

1 / 1

You have a Department table and an Employee table in your database.  
You need to ensure that an employee can be assigned to only an existing department.

What should you apply to the Employee table?

- ☐ A primary key
- ☐ A unique constraint
- ☐ A data type
- ☒ A foreign key
- ☐ An index



## 13 Multiple Choice

1 / 1

Which of the following scripts is used to convert Unix-type zone files into SQL statements, and loads the time zone tables in a mysql database?

- ☐ mysql\_tz\_to\_sql
- ☒ mysql\_tzinfo\_to\_sql
- ☐ mysql\_time\_to\_sql
- ☐ mysql\_timezone\_to\_sql



## 14 Multiple Choice

1 / 1

You have a table named Product. You create a view that includes all the products from the Product table that are in the Furniture category.

You execute a statement on the Product table that deletes all the products in the Furniture category.

After you execute the statement, the result set of the view is:

- ☐ Unchanged
- ☒ Empty
- ☐ Deleted



☐ Archived

### 15 Multiple Choice

1 / 1

You are a Database Administrator of MySQL database.  
Few days back, your server crashed. Now, it is up and online.  
You need to check the integrity of various tables used in the database.  
You need to issue the CHECK TABLE command.

For which of the following tables will this command work? Each correct answer represents a complete solution. (Choose two.)

☒ InnoDB

✓

☒ MyISAM

✓

☐ MERGE

☐ FEDERATED

### 16 Multiple Choice

1 / 1

You need to store the contact information for each student in your school database. You should store each student's information in a:

☐ Function

☒ Row

✓

☐ Stored procedure

☐ Variable

### 17 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Use the FROM keyword in a SELECT statement to return rows that meet a specific condition.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

☐ ORDER BY

☒ WHERE

✓

☐ UNION

☐ No change is needed

### 18 Multiple Choice

1 / 1

Which category of SQL statements is used to add, remove, and modify database structures?

☒ Data definition language (DDL)

✓

☐ Data access language (DAL)

- ☐ Data manipulation language (DML)
- ☐ Data control language (DCL)

19 Multiple Choice

1 / 1

You have a table that contains the following data.

ProductID	ProductName	Color1	Color2	Color3
4545	Shirt	Blue	Green	Purple

You break the table into the following two tables.

ProductID	ProductName
4545	Shirt

ProductID	Color
4545	Blue
4545	Green
4545	Purple

This process is referred to as:

- ☐ denormalization
- ☐ defragmentation
- ☐ fragmentation
- ☒ normalization



20 Multiple Choice

1 / 1

Remo works as a Database Designer for Tech Inc.  
He wants to create a table named Product.  
He issues the following query to create the Product table:

```
CREATE Product (  
ProductID Char (10) NOT NULL,  
OrderID Char (10) NULL  
ProductName Varchar NOT NULL,  
Primary key (OrderID, ProductID))
```

What are the errors in the above query? Each correct answer represents a complete solution. (Choose two.)

- ☒ An attribute declared as a primary key cannot contain NULL values.
- ☐ Each attribute should be defined as a primary key separately.
- ☐ A table cannot have two primary keys.
- ☒ ProductName is declared as Varchar without specifying the width of the column.



21 Multiple Choice

1 / 1

You are the database administrator for a MySQL database server.  
 The network contains new and old (pre-4.1) clients.  
 You configure another database server on the network.  
 You allow the network clients to connect to the new server.  
 Some users complain that when they try to connect to the server, they receive the following error:

ERROR 1251: The client does not support authentication protocol requested by the server; consider upgrading MySQL client You do not want to upgrade any client or server right now, and want to enable all clients to connect to the new server successfully.

Which of the following steps will you take to resolve the issue?

- ☐ Run the server with the `--secure-auth` option.
- ☒ Run the server with the `--old-password` option. ✓
- ☐ Run the server with the `--allow-old` option.
- ☐ Run the server with the `--enable-old` option.

## 22 Multiple Choice

1 / 1

You want to recover one or more tablespaces to a point in time older than the rest of the database.  
 Which of the following are the recovery situations in which tablespace Point-in-Time Recovery (TSPITR) should be used?

Each correct answer represents a part of the solution. (Choose all that apply.)

- ☒ To recover a DML statement that has affected only a subset of the database ✓
- ☒ To recover a tablespace that contains rollback segments ✓
- ☐ To recover a tablespace on a very large database.
- ☒ To recover a table that has become logically corrupted ✓

## 23 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Use the ALTER statement to add a new table in a database.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☐ No change is needed
- ☐ INSERT
- ☒ CREATE ✓
- ☐ UPDATE

## 24 Multiple Choice

1 / 1

You have a database table named SongInformation as defined below:

Name VARCHAR(45) NOT NULL



Name	VARCHAR(255)
Singer	VARCHAR(255)
YearWritten	DATE
CDsSold	INT

You need to create a Structured Query Language (SQL) query to retrieve only the names of songs that sold more than 1000 compact discs (CDs). Which query should you use?

- ☐ A. `SELECT Name  
FROM SongInformation  
WHERE CDsSold > 1000`
- ☐ B. `SELECT Name  
FROM CDsSold  
WHERE CDsSold > 1000`
- ☐ C. `SELECT *  
FROM SongInformation  
WHERE CDsSold = 1000`
- ☐ D. `SELECT *  
FROM SongInformation`

- ☐ Option B
- ☒ Option A
- ☐ Option D
- ☐ Option C



## 25 Multiple Choice

1 / 1

You have a database that contains 10 terabytes of data. You need to back up the database every two hours. Which type of backup should you use?

- ☒ incremental
- ☐ archive
- ☐ full
- ☐ partial



## 26 Multiple Choice

1 / 1

JDBC API 2.0 defines five levels of transaction isolation for database concurrency control. Which of the following is the lowest level of transaction isolation?

- ☐ TRANSACTION\_REPEATABLE\_READ
- ☐ TRANSACTION\_SERIALIZABLE
- ☐ TRANSACTION\_READ\_COMMITTED

☐ TRANSACTION\_READ\_UNCOMMITTED

☒ TRANSACTION\_NONE



## 27 Multiple Choice

1 / 1

You need to store product quantities, and you want to minimize the amount of storage space that is used. Which data type should you use?

☐ FLOAT

☐ DOUBLE

☐ COUNT

☒ INTEGER



## 28 Multiple Choice

1 / 1

You work as a database developer for www.company.com.com.

The company has a database named www.company.com that is hosted on a SQL Server 2008 server. The database includes a table named Employees, which contains the details of the employees.

You want to ensure that anytime any data in the Employees table is modified with an UPDATE statement, they are recorded in a table named EmployeeChanges. The EmployeeChanges table includes columns to record what the change was, who made the change, and when they made the change.

What should you create to meet this need?

☐ A DDL trigger that queries the updated table

☐ A DDL trigger that queries the inserted table

☐ A DML trigger that queries the updated table

☒ A DML trigger that queries the inserted table



## 29 Multiple Choice

1 / 1

You need to populate a table named EmployeeCopy with data from an existing table named Employee.

Which statement should you use?

A. 

```
SELECT *  
    INTO EmployeeCopy  
SELECT *  
    FROM Employee
```

- B. `INSERT *  
FROM Employee  
INTO EmployeeCopy`
- C. `COPY * INTO Employee  
SELECT *  
FROM Employee`
- D. `INSERT INTO EmployeeCopy  
SELECT *  
FROM Employee`

- ☐ Option A
- ☐ Option B
- ☐ Option C
- ☒ Option D



30 Multiple Choice

1 / 1

You have two tables named Cars and Color as defined below. The two tables are related by ColorId.

Car type	Car model	ColorId
Sedan	2-door	2
Truck	4-door	NULL
Minivan	3-door	1

Color	ColorID
Red	1
Gold	2

You run the following SQL statement: select:

```
SELECT *  
FROM Cars  
LEFT OUTER JOIN Colors  
ON Cars.ColorID = Colors.ColorID
```

How many rows does the SQL statement return?

- ☐ 6
- ☐ 0
- ☒ 3
- ☐ 2



31 Multiple Choice

1 / 1

You need to combine the results of two queries into a single result that contains all of the rows from both queries. Which Structured Query Language (SQL) statement should you use?

- ☐ TRUNCATE
- ☒ UNION
- ☐ JOIN
- ☐ EXCEPT



### 32 Multiple Choice

1 / 1

To change a view, with what keyword should CREATE in the CREATE VIEW command be replaced?

- ☐ CHANGE
- ☐ REPLACE
- ☒ ALTER
- ☐ UPDATE



### 33 Multiple Choice

1 / 1

Which of the following is the process of extracting trails on a regular basis so that they can be transferred to a designated security system where the database administrators do not have access?

- ☐ Database security
- ☐ Abstraction
- ☐ Encryption
- ☒ Native auditing



### 34 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Use indexing to create, remove, or change database objects.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☐ Data manipulation language (DML) statements
- ☐ A unique constraint
- ☒ Data definition language (DDL) statements
- ☐ No change is needed.



### 35 Multiple Choice

1 / 1

What are three valid data manipulation language (DML) commands? (Choose three.)

☒ INSERT

☐ OUTPUT

☒ DELETE

☐ COMMIT

☒ UPDATE

✓

✓

✓

36 Multiple Choice

1 / 1

The terms “bitmap,” “b-tree,” and “hash” refer to which type of database structure?

☐ Trigger

☐ Stored procedure

☒ Index

☐ Function

☐ View

✓

37 Multiple Choice

1 / 1

You have a table named Product that contains the following data.

ProductID	ProductName	CategoryID
3296	Spoon	2222
1114	Chair	4444

The ProductID column is the primary key. The CategoryID column is a foreign key to a separate table named Category.

You execute the following statement:

```
INSERT INTO Product
VALUES (3296, 'Table', 4444)
```

What is the result?

☐ a foreign key constraint violation

☐ a syntax error

☐ a new row in the Product table

☒ a primary key constraint violation

☐ a new row in the Category table

✓

38 Matching

1 / 1

You have a database table that stores information about school attendance.  
You have a data set that is defined as follows:

StudentName	GradeLevel	DaysAbsent
John	12	2.5
Holly	12	0.0
David	12	3.0

- You have the following requirements:
- . StudentName must consist of a string of characters.
  - . GradeLevel must be only a whole number.
  - . DaysAbsent can have one number after the decimal.

Match the data types to the column names.

Instructions: To answer, drag the appropriate data type from the column on the left to its column name on the right Each data type may be used once, more than once, or not at all. Each correct match is worth one point.

StudentName

GradeLevel

DaysAbsent

A

B

C

VARCHAR

INT

DECIMAL

⌘ BIT

⌘ DATETIME

⌘ DECIMAL

⌘ INT

⌘ VARCHAR

⌘ CHAR

39 Multiple Choice

1 / 1

While attending college, you accept an IT internship at a local charity. The charity needs to report on data that is related and exists in two tables.

You need to establish a relationship between the data that is in the two tables.

Which constraint should you define?

- ☐ Index Key
- ☐ Default Key
- ☒ Foreign Key
- ☐ Link Key



40 Multiple Choice

0 / 1

Which of the following commands cannot be rolled back? Each correct answer represents a complete solution. (Choose two.)

☒ UPDATE

☐ COMMIT

✗

✓

☐ TRUNCATE

☒ DELETE

✓

✗

41 Multiple Choice

1 / 1

On which database structure does an insert statement operate?

- ☐ Trigger
- ☐ Role
- ☐ User
- ☒ Table
- ☐ Stored procedure
- ✓

42 Multiple Choice

1 / 1

You need to delete a database table.  
Which data definition language (DDL) keyword should you use?

- ☐ TRUNCATE
- ☐ DELETE
- ☒ DROP
- ☐ ALTER
- ✓

43 Matching

1 / 1

Instructions: For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

A full database backup is a copy of all the data in the entire database.	A	Yes	✓
A transaction log backup backs up all the data in the database	B	No	✓
A differential backup copies only data that was changed before the last full backup	C	No	✓
A file or filegroup restore specified a portion of the database to recover	D	Yes	✓

⚙ Yes

⚙ No

## 44 Multiple Choice

1 / 1

You have the following table definition:

```
CREATE TABLE Road
  (RoadID INTEGER NOT NULL,
   Distance INTEGER NOT NULL)
```

The Road table contains the following data:

You execute the following statement:

```
INSERT INTO Road VALUES (1234, 36)
```

What is the result?

- ☐ an error stating that NULL values are not allowed
- ☐ a syntax error
- ☐ an error stating that duplicate IDs are not allowed
- ☒ a new row in the table



## 45 Multiple Choice

1 / 1

You need to store product names that vary from three to 30 characters. You also need to minimize the amount of storage space that is used.

Which data type should you use?

- ☐ CHAR (30)
- ☐ VARCHAR (3, 30)
- ☒ VARCHAR (30)
- ☐ CHAR (3, 30)



## 46 Multiple Choice

0 / 1

Which of the following is used to give a default value to a column if the value for that column is unknown?

- ☒ Transaction
- ☐ Concurrency
- ☐ DEFAULT constraint
- ☐ Nested transaction



## 47 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Create a query that returns a set of table data by using the UPDATE statement.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☐ REPLACE



- ☐ No change is needed

☒ SELECT

☐ INSERT
- ✓

48 Multiple Choice

1 / 1

You need to rename a column in a database table.

Which data definition language (DDL) statement should you use?

- ☒ ALTER

☐ UPDATE

☐ INSERT

☐ CREATE
- ✓

49 Multiple Choice

1 / 1

The Product table contains the following data.

ID	Name	Quantity
1234	Spoon	33
2615	Fork	17
3781	Plate	20
4589	Cup	51

You execute the following statement:

```
SELECT COUNT(*)  
FROM Product WHERE Quantity > 18
```

What is the value returned by this statement?

- ☐ 1

☒ 3

☐ 2

☐ 4
- ✓

50 Multiple Choice

1 / 1

Which of the following can be used to populate a table? Each correct answer represents a complete solution. (Choose all that apply.)

- ☒ MERGE statement

☒ SQL\*Loader

☒ Data Pump

☒ INSERT statement
- ✓
- ✓
- ✓
- ✓

## 51 Multiple Choice

1 / 1

What type of parameter must be specified when creating a stored procedure?

- ☒ output
- ☐ boolean
- ☐ input
- ☐ number



## 52 Multiple Choice

1 / 1

You execute a statement inside a transaction to delete 100 rows from a table. The transaction fails after only 40 rows are deleted. What is the result in the database?

- ☐ The table will be corrupted.
- ☐ The transaction will restart.
- ☐ Forty (40) rows will be deleted from the table.
- ☒ No rows will be deleted from the table.



## 53 Multiple Choice

1 / 1

Which of the following is the process of creating a design for the database that will support the enterprise's operations and objectives for the required database system?

- ☐ Database planning
- ☒ Database design
- ☐ Application design
- ☐ Identifying relationships between objects



## 54 Multiple Choice

1 / 1

A named group of SQL statements that can be executed in a database is called a:

- ☐ Subroutine
- ☐ Formula
- ☒ Stored procedure
- ☐ Method



## 55 Matching

1 / 1

HOTSPOT

You are structuring a table in a relational database.  
Instructions: For each of the following statement, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

Parse the images :

Upload the data to the database

A

B

Azure Cognitive Services

Azure Data Factory

Azure Bot Service

Azure Linguistic Analysis API

Azure API Apps

Azure Batch AI

Azure Functions

56 Multiple Choice

1 / 1

Which type of index changes the order in which the data is stored in a table?

- ☐ non-clustered

☐ sequential

☐ non-sequential

☒ clustered
- ✓

57 Multiple Choice

0 / 1

You execute the following statement:

```
SELECT DepartmentName
FROM Department
WHERE DepartmentID =
  (SELECT DepartmentID
   FROM Employee
   WHERE EmployeeID = 1234)
```

This statement is an example of a/an:

- ☐ Subquery

☐ Union

☐ Cartesian product

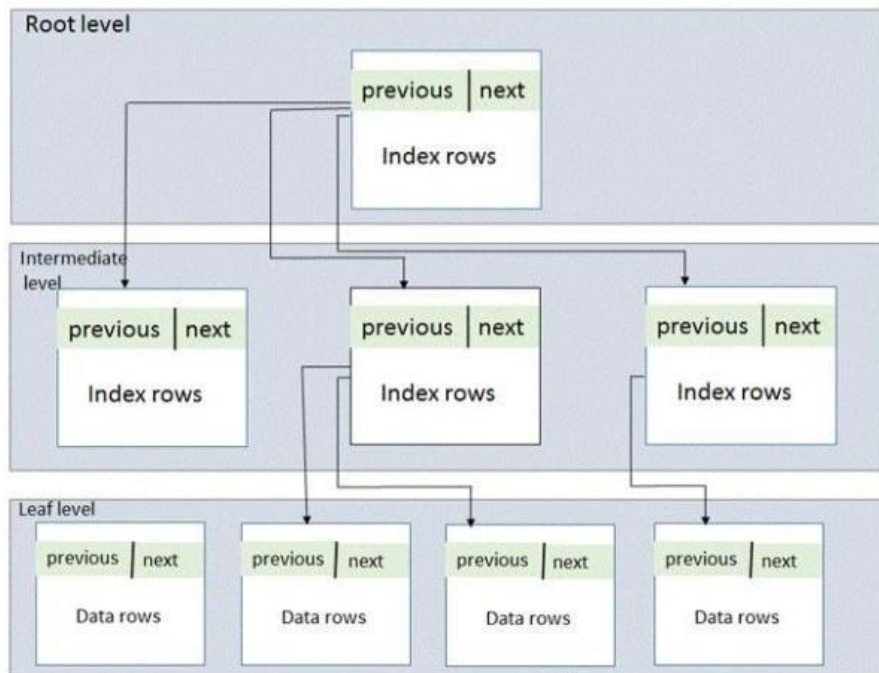
☒ Outer join
- ✓

✗

## 58 Matching

1 / 1

The following graphic shows the components of a SQL Server application. You access the SQL Server application through Internet Explorer.



Instructions: Use the drop-down menus to select the answer choice that completes each statement. Each correct selection is worth one point.

A clustered index improves the performance of queries that [answer choice].

A

return large result sets



A clustered index improves the performance of queries on columns that [answer choice].

B

are accessed sequentially



❏ return large result sets

❏ return a range of values by using the = operator

❏ do not use ORDER BY or GROUP BY clauses

❏ are accessed randomly

❏ are accessed sequentially

❏ are not unique or contain many common values

## 59 Multiple Choice

1 / 1

What is the difference between a DELETE statement and a TRUNCATE TABLE statement?

- ☐ One can identify specific records that are being deleted with a TRUNCATE TABLE statement, while a DELETE statement allows one to delete specific characters in a record
- ☐ One can identify specific records that are being deleted with a TRUNCATE TABLE statement, while a DELETE statement deletes all data in a table
- ☒ One can identify specific records that are being deleted with a DELETE statement, while a TRUNCATE TABLE statement deletes all data in a table
- ☐ One can identify specific records that are being deleted with a DELETE statement, while a TRUNCATE TABLE statement allows one to delete specific characters in a record



## 60 Multiple Choice

1 / 1

Which of the following is a design of the user interface and the application programs that use and process the database?

- ☐ Database Planning
- ☐ Object Modeling
- ☐ Database Design
- ☒ Application Design



## 61 Multiple Choice

1 / 1

The component that holds information for a single entry in a table is called a:

- ☐ DATA TYPE
- ☐ COLUMN
- ☐ VIEW
- ☒ ROW



## 62 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

The CREATE TABLE command removes one or more table definitions and all data, indexes, triggers, constraints, and permission specifications for those tables.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

- ☒ DROP TABLE
- ☐ No change is needed
- ☐ ALTER TABLE
- ☐ TRUNCATE TABLE



## 63 Multiple Choice

1 / 1

You need to remove a view named EmployeeView from your database. Which statement should you use?

- ☐ DELETE VIEW EmployeeView
- ☐ DELETE EmployeeView
- ☒ DROP VIEW EmployeeView
- ☐ DROP EmployeeView



## 64 Multiple Choice

You work as a Database Designer for Tritech Inc.  
You are designing a table named Info.  
The table contains the following attributes:

Login and Password  
Name  
ContactNumber Address

Each new employee joining the company is assigned an E-mail Login and Password.  
This E-mail Login and Password is used by each employee to access his account on the company's Web site.  
The value of both the attributes should be unique and cannot be NULL.  
You design an artificial key EmpID in the Info table to serve as a primary key.

Which of the following factors lead you to define an artificial key for use as a primary key in the Info table? Each correct answer represents a part of the solution. (Choose all that apply.)

- ✓
- ☒ The natural key contains highly sensitive data ✓
  - ☒ The value of the primary key must be unique. ✓
  - ☒ The value of the primary key cannot be NULL. ✓
  - ☒ The value of the primary key must be persistent. ✓

## 65 Multiple Choice

Which of the following database terms is described in the statement below?

It prevents the current database operation from reading or writing a data item while the data item is being accessed by another operation.

- ✓
- ☐ Constraint
  - ☒ Lock ✓
  - ☐ Encryption
  - ☐ Deadlock

## 66 Multiple Choice

Which command removes a table from a database?

- ☐ CLEAR TABLE
- ☐ DELETE TABLE
- ☐ ELIMINATE TABLE
- ☒ DROP TABLE ✓

## 67 Multiple Choice

Which command should you use to add a column to an existing table?

- ☐ CHANGE
- ☐ INSERT
- ☒ ALTER ✓

☐ UPDATE☐ MODIFY

## 68 Multiple Choice

1 / 1

You accept an IT internship at a local charity. The charity asks you to keep a record of its volunteers by using a database table named Volunteer. When volunteers ask to be removed from mailing lists, the table must be updated. You need to use a transaction to ensure that the database has data integrity and referential integrity.

Which statement should you use?

- ☒ A. `BEGIN TRANSACTION VolunteerDelete;`  
`DELETE FROM Volunteer WHERE Id = 13;`  
`COMMIT TRANSACTION VolunteerDelete;`
- ☐ B. `WHILE TRANSACTION VolunteerDelete;`  
`DELETE FROM Volunteer WHERE Id = 13;`  
`CATCH TRANSACTION VolunteerDelete;`
- ☐ C. `OPEN TRANSACTION VolunteerDelete;`  
`DELETE FROM Volunteer WHERE Id = 13;`  
`CLOSE TRANSACTION VolunteerDelete;`
- ☐ D. `UPDATE TRANSACTION VolunteerDelete;`  
`DELETE FROM Volunteer WHERE Id = 13;`  
`END TRANSACTION VolunteerDelete;`

☐ Option D☐ Option C☐ Option B☒ Option A

## 69 Multiple Choice

1 / 1

Which of the following provides reliable units of work that allow correct recovery from failures and keeps a database consistent even in cases of system failure?

☐ Database security☐ Two-phase commit☒ Database transaction

- ☐ Concurrency control

## 70 Multiple Choice

1 / 1

What is the ideal time to back up dynamic log files?

- ☐ When the server is running.
- ☒ When the server is stopped.
- ☐ When the server is shut down.
- ☐ You can back up dynamic log files any time.



## 71 Multiple Choice

0 / 1

Which of the following are DML commands? Each correct answer represents a complete solution. (Choose all that apply.)

- ☒ SELECT
- ☒ SELECT INTO
- ☐ ALTER
- ☒ INSERT
- ☒ UPDATE
- ☒ DELETE



## 72 Multiple Choice

1 / 1

You are the database administrator for a MySQL database.  
The database server is installed on a Unix system.  
The time zone files for the system are located at /usr/share/zoneinfo.  
You need to ensure that the system and MySQL time zones are based on the same information.  
Which of the following statements will you use to accomplish the task?

- ☐ shell> /usr/share/zoneinfo mysql\_tzinfo\_to\_sql | mysql -u root mysql
- ☐ shell> /usr/share/zoneinfo mysql\_tz\_to\_sql | mysql -u root mysal
- ☒ shell> mysql\_tzinfo\_to\_sql /usr/share/zoneinfo | mysql -u root mysql
- ☐ shell> mysql\_tz\_to\_sql /usr/share/zoneinfo | mysql -u root mysql





73 Multiple Choice

1 / 1

You have a table named Product that contains one million rows.  
You need to search for product information in the Product table by using the product's unique ID.  
What will make this type of search more efficient?

- ☐ A trigger
- ☐ A subquery
- ☐ A cursor
- ☒ An index
- ✓

74 Matching

0.25 / 1

Instructions: For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

A clustered index sorts and stores the data columns of a table or view in order, based on the clustered index key	A	Yes	✗
A non-clustered index is declined on a table or view by using a clustered index or heap.	B	No	✗
A unique index ensures that the index key contains no duplicate values and that every row in the table or view is unique.	C	Yes	✓
A filtered index is a clustered index that is optimized for queries that select a small percentage of rows from a table.	D	Yes	✗

No

Yes

Correct answers:

A No    B Yes    D No

75 Multiple Choice

1 / 1

You need to disable User1's access to view the data in the Customer table.

Which statement should you use?

- A. `REMOVE User1  
FROM Customer`
- B. `REMOVE SELECT ON Customer  
FROM User1`
- C. `REVOKE SELECT ON Customer  
FROM User1`
- D. `REVOKE User1  
FROM Customer`

- ☐ Option A
- ☐ Option B
- ☐ Option D
- ☒ Option C



76 Multiple Choice

1 / 1

While a clustered index is based on a \_\_\_\_\_, a nonclustered index can be based on any other field.

- ☐ row
- ☐ column
- ☒ primary key field
- ☐ foreign key field



77 Matching

1 / 1

Instructions: For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

A SQL Server Login can use Windows Authentication

A

Yes



A SQL Server Role provides permissions at the server level.

B

Yes



A SQL Server Login is granted permission to database views only.

C

No



Yes

No

## 78 Multiple Choice

1 / 1

Which two elements are required to define a column? (Choose two.)

☐ A key

☒ A name

☒ A data type

☐ An Index


## 79 Multiple Choice

1 / 1

You work as a Database Administrator for DataOneWorld Inc. Management instructs you to remove an object from the relational database management system.

Which of the following statements will you use to accomplish the task?

☐ ALTER

☐ SELECT

☒ DROP

☐ CREATE


## 80 Multiple Choice

1 / 1

You need to list the name and price of each product, sorted by price from highest to lowest. Which statement should you use?

A. `SELECT Name, Price  
FROM Product  
ORDER BY Price DESC`

B. `SELECT Name, Price  
FROM Product  
ORDER BY Price ASC`

C. `SELECT Name, BOTTOM Price  
FROM Product`

D. `SELECT Name, TOP Price  
FROM Product`

- ☐ Option C
- ☐ Option B
- ☒ Option A
- ☐ Option D



81 Multiple Choice

0 / 1

You have a table named Employee that includes the following columns:  
EmployeeID  
EmployeeName

Which statement should you use to return the number of rows in the table?

- A. `SELECT *  
FROM Employee`
- B. `SELECT SUM(*)  
FROM Employee`
- C. `SELECT COUNT(rows)  
FROM Employee`
- D. `SELECT COUNT(*)  
FROM Employee`

- ☐ Option C
- ☐ Option B
- ☐ Option D
- ☒ Option A



82 Multiple Choice

1 / 1

Mark works as a Database Designer for Reon Inc.  
He is assigned the task to create a database for the company.  
He issues the following query to create the database:

```
CREATE DATABASE '24342'
```

What will be the output of the query?

- ☐ An error will be generated stating that a database name should be a combination of numerals and alphabets.
- ☐ An error will be generated stating that a database name must begin with an alphabet.
- ☒ A database will be created. ✓
- ☐ An error will be generated stating that a database name must begin with an alphabet and all the alphabets should be in uppercase.

### 83 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.  
A key defines the amount of storage space that is allocated to a value in a column.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

- ☐ format
- ☐ validator
- ☐ No change is needed
- ☒ data type ✓

### 84 Multiple Choice

1 / 1

You delete rows in a table named Order. The corresponding rows in the OrderItem table are automatically deleted. This process is an example of a/an:

- ☐ Domino delete
- ☐ Waterfall delete
- ☐ Inherited delete
- ☒ Cascade delete ✓
- ☐ Functional delete

### 85 Multiple Choice

1 / 1

Which key uniquely identifies a row in a table?

- ☒ primary ✓
- ☐ foreign

- ☐ local
- ☐ superkey

## 86 Multiple Choice

1 / 1

Which of the following steps in database planning is used to record an object so that it is represented visually in the system?

- ☐ Identifying the relationships between objects
- ☐ Gathering information
- ☐ Object identification
- ☒ Object modeling



## 87 Multiple Choice

1 / 1

You have a table that contains information about all students in your school.

Which SQL keyword should you use to change a student's first name in the table?

- ☐ CHANGE
- ☐ INSERT
- ☒ UPDATE
- ☐ SELECT



## 88 Multiple Choice

1 / 1

Which of the following statements about external tables is true?

- ☒ They cannot be written to with DML commands.
- ☐ They cannot be used in joins, views, and subqueries
- ☐ They can have indexes.
- ☐ They can have constraints or triggers.



## 89 Multiple Choice

1 / 1

You work as a Database Administrator for Bell Ceramics Inc.

An employee of the company has fired a query, including a DML statement, such as INSERT, against a table named Sales.

You notice that the DML statement has not executed.

What will you do to resolve the issue? Each correct answer represents a complete solution. (Choose two.)

- ☐ Clean up all the uncommitted transactions on the Sales table.
- ☒ Add more space to the tablespace and increase the users quota on the tablespace.
- ☒ Provide an appropriate privilege or create views on the Sales table, and grant privileges on the view.



- ☐ Provide redundant network paths from the client computer to the server along with additional listener connections on the Oracle server and redundant network cards on the Oracle server.

## 90 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Views are database objects that contain all of the data in a database.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

- ☒ Tables
- ☐ No change is needed
- ☐ Queries
- ☐ Stored procedures



## 91 Multiple Choice

1 / 1

Which statement will result in the creation of an index?

- A. `CREATE TABLE Employee  
(EmployeeID INTEGER PRIMARY KEY)`
- B. `CREATE TABLE Employee  
(EmployeeID INTEGER DISTINCT)`
- C. `CREATE TABLE Employee  
(EmployeeID INTEGER NULL)`
- D. `CREATE TABLE Employee  
(EmployeeID INTEGER INDEX)`

- ☐ Option D
- ☐ Option C
- ☐ Option B
- ☒ Option A



## 92 Multiple Choice

0 / 1

Suzanne works as a Database Designer for DataOneWorld Inc.

She is assigned the task of decomposing the components of a database, but she has to ensure that all the components are decomposed to only some extent.

Which of the following approaches will she use to accomplish the task?

- ☐ Top-down approach
- ☐ Mixed approach
- ☐ Inside-out approach
- ☒ Bottom-up approach

✓

✗

### 93 Multiple Choice

1 / 1

Which constraint ensures a unique value in the ID column for each customer?

- ☐ SEQUENTIAL
- ☐ DISTINCT
- ☒ PRIMARY KEY
- ☐ FOREIGN KEY

✓

### 94 Multiple Choice

1 / 1

You have a table named Student that contains 100 rows. Some of the rows have a NULL value in the FirstName column.

You execute the following statement:

```
DELETE FROM Student
```

What is the result?

- ☒ All rows in the table will be deleted.
- ☐ All rows containing a NULL value in the FirstName column will be deleted.
- ☐ All rows and the table definition will be deleted.
- ☐ You will receive an error message.

✓

### 95 Multiple Choice

1 / 1

One error that may occur when manipulating data is a missing \_\_\_\_\_:

- ☒ keyword
- ☐ query
- ☐ column
- ☐ table

✓

### 96 Multiple Choice

1 / 1



Which of the following statements about rebuilding an index is true?

- ☐ Without the **ONLINE** keyword the index is locked for the **SELECT** operation.
- ☒ Without the **ONLINE** keyword the index is locked for any **DML** operation. ✓
- ☐ The **NOLOGGING** and **ONLINE** keywords can never be used together.
- ☐ The **NOLOGGING** and **ONLINE** keywords are always used together.

97 Multiple Choice

1 / 1

What clause should always be included in an **UPDATE** statement?

- ☐ **GROUP BY**
- ☐ **FROM**
- ☒ **WHERE** ✓
- ☐ **HAVING**

98 Multiple Choice

1 / 1

What keyword removes records from a table?

- ☐ **REMOVE**
- ☐ **DROP**
- ☒ **DELETE** ✓
- ☐ **CANCEL**

99 Multiple Choice

1 / 1

Which keyword can be used in a create table statement?

- ☐ **ORDER BY**
- ☐ **GROUP BY**
- ☐ **DISTINCT**
- ☒ **UNIQUE** ✓

100 Multiple Choice

1 / 1

You have the following table definition:

```
CREATE TABLE Product (ProductID INTEGER, Name VARCHAR(20))
```

You need to insert a new product. The product's name is Plate and the product's ID is 12345.

Which statement should you use?

- A. `INSERT INTO Product  
VALUES (ProductID = 12345, Name = 'Plate')`
- B. `INSERT NEW ProductID = 12345, Name = 'Plate'  
INTO Product`
- C. `INSERT 12345, 'Plate'  
INTO Product`
- D. `INSERT INTO Product (ProductID, Name)  
VALUES (12345, 'Plate')`

- ☐ Option A
- ☐ Option B
- ☐ Option C
- ☒ Option D



### 101 Multiple Choice

1 / 1

In SQL, an insert statement is used to add a:

- ☐ User to a database.
- ☒ Row of data to a table.
- ☐ Column to a table definition.
- ☐ Table to a database.



### 102 Multiple Choice

1 / 1

What statement is used to change existing data?

- ☐ NEW
- ☐ CHANGE
- ☒ UPDATE
- ☐ MODIFY



### 103 Multiple Choice

0 / 1

Data in a database is stored in:

- ☐ Queries
- ☒ Stored procedures
- ☐ Data types



## 104 Multiple Choice

1 / 1

James works as an Administrator for Softech Inc.

The company has a SQL Server 2005 computer named SQL1.

The company has six departments; Accounting, Sales, Marketing, Manufacturing, Production, and Research. The user accounts of each department are located in a domain group named after the department. James wants to create a separate database on SQL1 for each department which will store the department related information. Users in each department must be able to read and update data in the database belonging to their respective departments.

No user must be able to access the database belonging to another department.

James wants to configure access to the database to meet these requirements.

What should James do to accomplish the task?

- ☐ James should create a Windows Authentication login for each domain group and configure the logins as database users for the appropriate database. Add each database user to the db\_ddladmin database role.
- ☒ James should create a Windows Authentication login for each domain group and configure the logins as database users for the appropriate database. Add each database user to the db\_datareader and db\_datawriter database roles. ✓
- ☐ James should create a Windows Authentication login for each domain user and configure the logins as database users for the appropriate database. Add each database user to the db\_ddladmin database role.
- ☐ James should create a Windows Authentication login for each domain user and configure the logins as database users for the appropriate database. Add each database user to the db\_datareader and db\_datawriter database roles.

## 105 Multiple Choice

1 / 1

Your database contains a table named Customer.

You need to delete the record from the Customer table that has a CustomerID of 12345.

Which statement should you use?

- A. 

```
UPDATE Customer
DELETE *
WHERE CustomerID = 12345
```
- B. 

```
DELETE CustomerID
FROM Customer
WHERE CustomerID = 12345
```
- C. 

```
UPDATE CustomerID
FROM Customer
DELETE *
WHERE CustomerID = 12345
```
- D. 

```
DELETE FROM Customer
WHERE CustomerID = 12345
```

☐ Option A

Question 105

- ☐ Option C
- ☒ Option D
- ☐ Option B



106 Multiple Choice

1 / 1

Consider the case of a fruit juice company.  
The company manufactures fruit juices and supplies them to wholesalers.  
The Database Designer creates a table named Production.

The code is given below:

- 1.CREATE Table Production
- 2.(Fruit\_type VarChar,
- 3.Fruit\_name Char(20),
- 4.Quantity Int(3))

Which of the above-mentioned lines has an error?

- ☐ Line 1
- ☒ Line 2
- ☐ Line 3
- ☐ Line 4



107 Multiple Choice

1 / 1

You accept an IT internship at a local charity. The charity has two tables in their data model named Chapter and Language, as defined below:

Chapter			
ChapterId	City	Region	Country
1	Chicago	Illinois	USA
2	Los Angeles	California	USA
3	New York City	New York	USA
4	Toronto	Ontario	Canada

Language	
LanguageId	LanguageName
1	English
2	Spanish
3	French
4	German

You create a third table named ChapterLanguage to relate the Chapter table and the Language table.

You need to select columns from the Chapter and Language tables to create a composite primary key for the ChapterLanguage table.

Which two columns should you select? (Choose two.)

☒ LanguageId

✓

☐ LanguageName

☐ Region

☐ Country

☐ City

☒ ChapterId

### 108 Multiple Choice

1 / 1

What statement is used to insert values into a table?

- ☐ INSERT VALUES ... INTO  
☐ ADD VALUES  
☒ INSERT INTO ... VALUES  
☐ ADD INTO ... VALUES

✓

### 109 Multiple Choice

1 / 1

John works as a Database Administrator for Bluewell Inc.  
The company has a SQL Server database.

A table in the database has a candidate key and an attribute that is not a constituent of the candidate key. The non-key attribute depends upon the whole of the candidate key rather than just a part of it.

Which of the following normal forms is represented in the scenario?

- ☐ 3 NF  
☐ 4 NF  
☒ 2 NF  
☐ 1 NF

✓

## 110 Multiple Choice

1 / 1

In addition to taking backups of your databases, you should also backup up files stated below.  
Which of these files store updates that have been made after the backup was made?

- ☒ Binary log files
- ☐ My.ini
- ☐ My.cnf
- ☐ Master.info



## 111 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Use the ALLOW SELECT command to give a user permission to read the data in a table.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

- ☐ PERMIT READ
- ☒ GRANT SELECT
- ☐ LET HEAD
- ☐ No change is needed



## 112 Multiple Choice

0 / 1

You need to retrieve data from two related database tables based on a column that exists in both tables.  
Which command should you use in a query?

- ☒ INTERSECT
- ☐ JOIN
- ☐ TRUNCATE
- ☐ UNION



## 113 Multiple Choice

1 / 1

Denormalization is performed in order to:

- ☐ Create smaller tables.
- ☐ Reduce redundancy.
- ☐ Eliminate repeating groups.
- ☒ Improve query performance.



## 114 Multiple Choice

1 / 1

What must be included in parenthesis in an INSERT INTO .. VALUES statement?

- ☐ number of columns
- ☐ null values
- ☒ required fields
- ☐ column types



## 115 Multiple Choice

1 / 1

What is the relationship between the foreign key and primary key? Each correct answer represents a complete solution. (Choose all that apply.)

- ☐ A foreign key and a primary key create a link between two entities.
- ☒ A foreign key ties attribute(s) of an entity to the primary key of another entity, for the purpose of creating a dependency.
- ☒ A foreign key constraint works in conjunction with a primary key constraint to enforce referential integrity among related entities.
- ☐ There is no relationship between a primary key and a foreign key.



## 116 Multiple Choice

1 / 1

Which of the following are the types of prototyping strategies? Each correct answer represents a complete solution. (Choose two.)

- ☐ Revolutionary prototyping
- ☐ Physical prototyping
- ☒ Requirements prototyping
- ☒ Evolutionary prototyping



## 117 Matching

1 / 1

Instructions: For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

You can delete data by using a stored procedure

A

Yes



A function must have a return value

B

Yes



A stored procedure must have a return value

C

No



Yes

No

## 118 Matching

1 / 1

Instructions: For each of the following statements, select the appropriate answer choice of the following:

StateID is a/an [answer choice] in the State table

A

primary key



StateIS is a/an [answer choice] in the Address table

B

foreign key



index

union

foreign key

primary key

## 119 Multiple Choice

1 / 1

You are the database administrator of a MySQL server that runs on a Windows server.

All clients are local clients.

For security, you want to disable connections from the remote clients.

Which of the following steps will you take to accomplish the task?

- ☐ Start the server with the **–disable-networking** option.
- ☒ Start the server with the **–skip-networking** option.
- ☐ Start the server with the **–shared-memory** option.
- ☐ Start the server with the **–secure-auth** option.



## 120 Multiple Choice

0 / 1

Your Company is designing and developing a number of databases for a stock exchange.

One of the databases will contain highly sensitive data for which high level of security will be required. Although high processing speed is one of the prime requirements of



the customer, for this database, security of the data will take priority over the processing speed. It needs to be ensured that even if unauthorized access to the database is obtained, the rogue user is unable to read the data.

Which of the following protection techniques will you suggest for this database?

- ☐ Integrity controls
- ☒ Authentication
- ☒ Encryption
- ☐ Native auditing

✗

✓

## 121 Multiple Choice

1 / 1

You have a database table that contains the following columns:

dbo.AddressInfo
Columns
StreetAddress (varchar(255), null)
City (varchar(255), null)
State (varchar(2), null)
PostalCode (varchar(15), null)

You must insert the following record into the table:

StreetAddress	City	State	PostalCode
1234 Main Street	Dallas	TX	75201

Which two Structured Query Language (SQL) statements can you use? (Choose two.)

- ☐ A. `INSERT INTO AddressInfo ('1234 Main Street','Dallas','TX','75201')`  
`VALUES ([StreetAddress], [City], [State], [PostalCode])`
- ☐ B. `INSERT INTO AddressInfo ([StreetAddress], [City], [State], [PostalCode])`  
`VALUES ('1234 Main Street','Dallas','TX','75201')`
- ☐ C. `INSERT INTO AddressInfo VALUES ('1234 Main Street','Dallas','TX','75201')`
- ☐ D. `UPDATE AddressInfo SET [StreetAddress]='1234 Main Street',[City]='Dallas',`  
`[State]='TX',[PostalCode]='75201'`

- ☐ Option D
- ☒ Option C
- ☒ Option B
- ☐ Option A

✓

✓

## 122 Multiple Choice

1 / 1

You have the following table definition:

```
CREATE TABLE Product (ID INTEGER PRIMARY KEY, Name VARCHAR(20), Quantity INTEGER)
```

The Product table contains the following data.

ID	Name	Quantity
1234	Apples	33
2615	Oranges	0
3781	Pears	29
4589	Plums	

You execute the following statement:

```
SELECT Name FROM Product WHERE Quantity IS NOT NULL
```

How many rows are returned?

- ☒ 3
- ☐ 0
- ☐ 2
- ☐ 4
- ☐ 1



### 123 Multiple Choice

1 / 1

Which statement should you use to remove a foreign key?

- ☒ **ALTER TABLE**
- ☐ **ALTER FOREIGN KEY**
- ☐ **DELETE FOREIGN KEY**
- ☐ **DELETE TABLE**



### 124 Multiple Choice

0 / 1

What statement is used to copy records from one table into an existing table?

- ☐ INSERT INTO .. SELECT
- ☒ SELECT INTO
- ☐ SELECT
- ☐ SELECT WITHIN



### 125 Multiple Choice

1 / 1

You manage a database named Exams accessed via a website. The website is regularly accessed by users in different countries. You are redesigning a table named History that records when users have purchased and taken online exams. You need one of the columns in the History table to record what time of day that a user has taken an exam. Additionally, you need this column to have time zone awareness. What data type should you use

- ☐ **datetime**
- ☒ **datetimeoffset**
- ☐ **datetime2**
- ☐ **Use two different columns with one column of datetime, and the second column indicating the UTC offset.**



### 126 Multiple Choice

1 / 1

You need to enable a new employee to authenticate to your database. Which command should you use?

You need to enable a new employee to add records to your database. Which command should you use?

- ☐ ADD USER
- ☐ INSERT USER
- ☐ ALTER USER
- ☐ ALLOW USER
- ☒ CREATE USER



## 127 Multiple Choice

1 / 1

You are a database developer for a database named Customers hosted on a SQL Server 2008 server. Recently, several customers were deleted from the Customers database. To ensure this is not repeated in future, you have decided to create a DML trigger to prevent it.

What code will create the trigger to meet your goals? Each correct answer represents a complete solution. (Choose all that apply.)

### CREATE TRIGGER trgDeleteCustomer

ON dbo.Customers

- ☒ AFTER DELETE

AS

RAISERROR('Customers cannot be deleted. An error has been logged', 16, 10) WITH LOG ROLLBACK TRANSACTION



### CREATE TRIGGER trgDeleteCustomer

ON dbo.Customers

AFTER DELETE

- ☒ AS

IF (SELECT COUNT(\*) FROM DELETED) > 0

BEGIN

RAISERROR('Customers cannot be deleted. An error has been logged', 16, 10) WITH LOG ROLLBACKTRANSACTION END



### CREATE TRIGGER trgDeleteCustomer

ON dbo.Customers

- ☐ BEFORE DELETE

AS

RAISERROR('Customers cannot be deleted. An error has been logged', 16, 10) WITH LOG ROLLBACK TRANSACTION

### CREATE TRIGGER trgDeleteCustomer

ON dbo.Customers

AFTER DELETE

- ☐ AS

IF(SELECT COUNT(\*) FROM DELETED) > 1

BEGIN

RAISERROR('Customers cannot be deleted. An error has been logged', 16, 10) WITH LOG ROLLBACK TRANSACTION END

128 Multiple Choice

1 / 1

Mark works as a Database Administrator for VCEplus Inc.  
The company has a SQL Server database.  
Management instructs him to ensure that no inconsistent data is entered in the database.  
Which of the following will help him to accomplish the task?

- ☐ Native auditing
- ☐ Abstraction
- ☐ Encryption
- ☐ Authentication
- ☒ Referential integrity



129 Multiple Choice

1 / 1

Which statement deletes the rows where the employee's phone number is not entered?

- A. `DELETE FROM Employee  
WHERE Phone IS NULL`
- B. `DELETE FROM Employee  
WHERE Phone IS NOT NULL`
- C. `DELETE FROM Employee  
WHERE Phone = '%'`
- D. `DELETE FROM Employee  
WHERE Phone = NULLABLE`

- ☐ Option C
- ☐ Option D
- ☐ Option B
- ☒ Option A



130 Matching

0.67 / 1

Instructions: For each of the following statements, select Yes if the statement is true. Otherwise, select No. Each correct selection is worth one point.

The VARCHAR data type contains only numeric characters.	A	No	✓
The NUMERIC data type contains only numbers that have decimal places.	B	No	✗
The INT data type contains only whole numbers	C	Yes	✓

⌵ No

⌵ Yes

Correct answers:

B Yes

131 Multiple Choice

1 / 1

You work at a restaurant and they ask you to help them with a data issue.  
They provide you with the following recipe data:

ID	RecipeName	PrimaryIngredient	Category
1	Chicken Parmesan	Chicken	Entree
2	Parmesan-Crusted Chicken Strips	Chicken	Entree
3	Spaghetti with Bacon	Bacon	Entree
4	Bacon Popcorn	Bacon	Snack

You need to normalize the data to third normal form.

How many tables should you create?

- ☐

4
- ☐

1
- ☒

3
- ☐

2



132 Multiple Choice

1 / 1

First normal form requires that a database excludes:

- ☐

Foreign keys
- ☒

Repeating groups
- ☐

Composite keys
- ☐

Duplicate rows



133 Matching

1 / 1

Your class project requires that you help a charity set up a website.

The website collects information about volunteers. Each volunteer record must be uniquely identified.

The following information is stored for each volunteer:

- Given name Surname
- Date of birth
- Phone number Photo

You have the following requirements:

- StudentName must consist of a string of characters.
- GradeLevel must be only a whole number.
- DaysAbsent can have one number after the decimal.

Match the data types to the column names.

Instructions: To answer, drag the appropriate data type from the column on the left to its column name on the right Each data type may be used once, more than once, or not at all. Each correct match is worth one point.

Your class project requires that you help a charity set up a website.

The website collects information about volunteers. Each volunteer record must be uniquely identified.

The following information is stored for each volunteer:

- Given name Surname
- Date of birth
- Phone number Photo

You have the following requirements:

- StudentName must consist of a string of characters.
- GradeLevel must be only a whole number.
- DaysAbsent can have one number after the decimal.

Match the data types to the column names.

Instructions: To answer, drag the appropriate data type from the column on the left to its column name on the right Each data type may be used once, more than once, or not at all. Each correct match is worth one point.

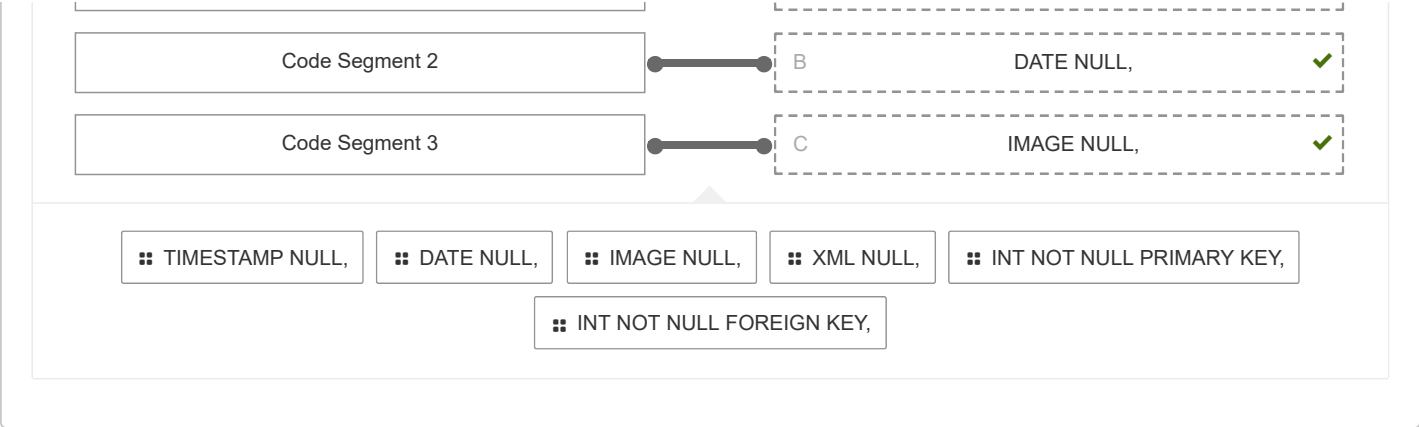
```
CREATE TABLE [dbo].[Volunteer]
(
  [Id] Code Segment 1
  [GivenName] NCHAR(255) NULL,
  [Surname] NCHAR(255) NULL,
  [DateOfBirth] Code Segment 2
  [PhoneNumber] NCHAR(10) NULL,
  [Photo] Code Segment 3
)
```

Code Segment 1

A

INT NOT NULL PRIMARY KEY,

✓



134 Multiple Choice

1 / 1

Linda works as a Database Designer for Lion Inc. She has been given an assignment to design the database of a publishing company. The database has a table named Author, which has a composite key, AuthorID and TitleID. Royalty and LiteraryAgent are the other attributes. The functional dependencies are such that AuthorID + TitleID-> Royalty (i.e. Royalty is functionally dependent on AuthorID and TitleID) and AuthorID-> LiteraryAgent (i.e. LiteraryAgent is functionally dependent on AuthorID).

Which of the following is true about this table?

- ☐ There is no violation.
- ☒ It violates 2 NF. ✓
- ☐ It violates 4 NF.
- ☐ It violates 1 NF.

135 Multiple Choice

1 / 1

You work as a Database Administrator for InfoTech Inc. The company has a database and they want you to create a design for a database that will support the enterprise's operations and objectives.

Which of the following will you use to accomplish the task?

- ☐ Requirements collection and analysis
- ☐ Application design
- ☒ Database design ✓
- ☐ Database planning

136 Multiple Choice

1 / 1

You accept an IT internship at a local charity. The charity asks you to keep a record of its volunteers by using a database table named Volunteer. The table has the following columns and rows:

Id	GivenName
1	Tia
2	Susana
3	Joey

When volunteer information changes, you must update the table.

You need to change Tia's name to Kimberly.

Which statement should you choose?

- ☐ A. `SET GivenName = 'Kimberly'`  
`FROM Volunteer`  
`WHERE GivenName = 'Tia'`
- ☐ B. `SET Volunteer`  
`TO GivenName = 'Kimberly'`  
`WHERE GivenName = 'Tia'`
- ☐ C. `UPDATE GivenName = 'Kimberly'`  
`FROM Volunteer`  
`WHERE GivenName = 'Tia'`
- ☒ D. `UPDATE Volunteer`  
`SET GivenName = 'Kimberly'`  
`WHERE GivenName = 'Tia'`

☐ Option C

☒ Option D

☐ Option B

☐ Option A



### 137 Multiple Choice

1 / 1

At 3:00 P.M. (1500 hours), you create a backup of your database. At 4:00 P.M. (1600 hours), you create a table named Customer and import data into the table. At 5:00 P.M. (1700 hours), your server fails.

You run a script to apply only the 3:00 P.M. backup to your database.

What is the result of the script?

☐ The Customer table exists but has no data.

☐ The Customer data no longer exists.

☐ The script fails.

☒ The Customer table no longer exists.



### 138 Multiple Choice

1 / 1



You have two tables named Salesperson and Sales.

You need to ensure that each record in the Sales table has a valid associated salesperson record in the Salesperson table.

Which database object should you add to the Sales table?

- ☐ Clustered index
- ☐ Primary key
- ☒ Foreign key
- ☐ Nonclustered index



139 Matching

1 / 1

The following illustration shows the structure of a clustered index in a single partition:

FlightNumber	Airline
1	Blue Yonder Airlines
2	Margie's Travel
3	Northwind Traders

Instructions: Use the drop-down menus to select the answer choice that completes each statement Each correct selection is worth one point.

Adding a [answer choice] on the FlightNumber column physically sorts rows in the table by FlightNumber

A

clustered index



Adding a [answer choice] on the Airline column retrieves data faster, but will not physically sort rows in the table by Airline.

B

non-clustered index



foreign key

clustered index

non-clustered index

140 Multiple Choice

1 / 1

Your class project requires that you help a charity to create a website that registers volunteers.

The website must store the following data about the volunteers:

- . Given name
- . Surname
- . Telephone number
- . Email address

You need to recommend a correct way to store the data.

What do you recommend?

- ☐ Create a view that contains rows that are named given name surname, phone number, and email
- ☒ Create a table that contains columns that are named given name, surname, phone number, and email. ✓
- ☐ Create a view that contains columns that are named given name surname, phone number, and email.
- ☐ Create a table that contains rows that are named given name, surname, phone number, and email.

141 Matching 1 / 1

Instructions: For each of the following statements, select the appropriate answer choice to each of the statements.

The use can perform [answer choice] actions on data that is on the server.

A

unlimited ✓

The use can perform [answer choice] actions on database objects that are on the server.

B

unlimited ✓

⚙ unlimited

⚙ read-only

⚙ no

⚙ configuration

142 Multiple Choice 1 / 1

Which of the following enables a user to use generic methods to access a database and to focus on the coding rather than the syntax for a specific database API?

- ☐ Native auditing
- ☐ Database security
- ☐ Authentication
- ☒ Abstraction ✓

143 Multiple Choice 1 / 1

This question requires that you evaluate the underlined text to determine if it is correct. You have two tables. Each table has three rows.

Nine rows will be included in the Cartesian product of these two tables.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☐ Six
- ☐ Three

☐ Zero

☒ **No change is needed**



## 144 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Views are database objects that contain all of the data in a database.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

☐ **No change is needed**

☐ **Stored procedures**

☐ **Queries**

☒ **Tables**



## 145 Multiple Choice

1 / 1

Fill in the blank with the appropriate word.

The \_\_\_\_\_ model for database management is a database model based on first-order predicate logic.

☐ Traditional

☐ Truncate

☒ **Relational**



## 146 Multiple Choice

1 / 1

You have two tables named Cars and Color as defined below. The two tables are related by ColorId.

Car type	Car model	ColorId
Sedan	2-door	2
Truck	4-door	NULL
Minivan	3-door	1

Color	ColorID
Red	1
Gold	2

You run the following SQL statement: select:

```
SELECT *
FROM Cars
LEFT OUTER JOIN Colors
ON Cars.ColorID = Colors.ColorID
```

How many rows does the SQL statement return?

☐ 6

☒ 3☐ 2☐ 0

## 147 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

In a database table, each column represents a unique record.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

☐ Table☐ Index☐ No change is needed☒ Row

## 148 Multiple Choice

1 / 1

Which permission does a user need in order to run a stored procedure?

☒ EXECUTE☐ RUN☐ CALL☐ ALLOW

## 149 Multiple Choice

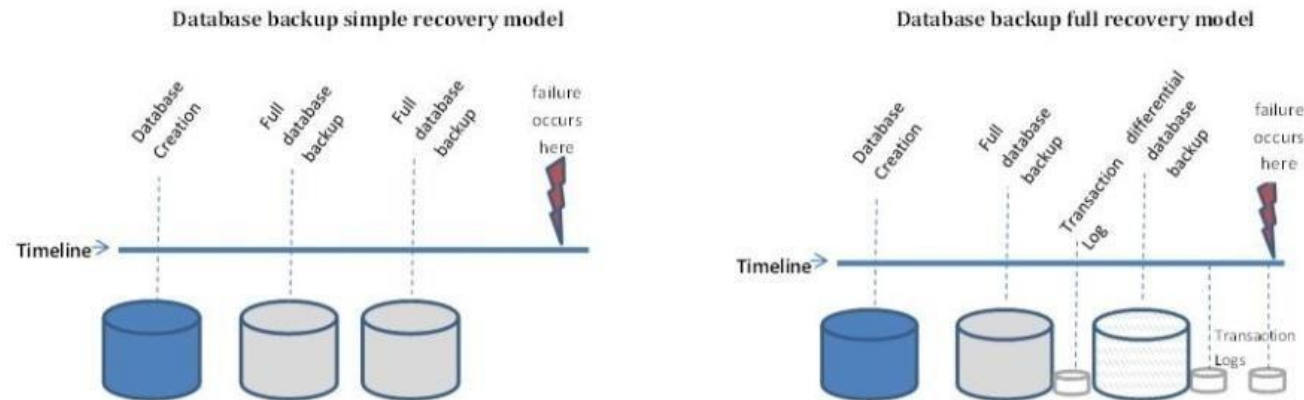
1 / 1

You assign User1 a set of permissions that include the WITH GRANT OPTION. The WITH GRANT OPTION enables User1 to:

☐ create new database users.☐ request a log of permission use.☐ view other users' permissions.☒ delegate permissions to other users.

## 150 Matching

You have a user that has server roles as defined below:



Instructions: Use the drop-down menus to select the answer choice that completes each statement. Each correct selection is worth one point.

Using the simple recovery model for database backups provides [answer choice] work-loss exposure than the full recovery model

A

more



Using the simple recovery model for database backups provides [answer choice] log file backups than the full recovery model

B

less


☐ less

☐ more

☐ the same

## 151 Multiple Choice

1 / 1

Which of the following commands can be used to change the authorization type in DB2 9? Each correct answer represents a complete solution. (Choose all that apply.)

☒ UPDATE DATABASE CONFIGURATION

☐ SET AUTHORIZATION

☒ UPDATE DBM CFG

☐ RESET DATABASE CONFIGURATION

## 152 Multiple Choice

0 / 1

Which of the following is a building working model of a database system?

☐ Prototyping

☐ Bottom-up approach

☐ Conceptual database design

☒ Top-down approach


## 153 Multiple Choice

1 / 1

You have a Customer table and an Order table. You join the Customer table with the Order table by using the CustomerID column.

The results include:

- . All customers and their orders
- . Customers who have no orders

Which type of join do these results represent?

- ☐ Inner join
- ☒ Outer join
- ☐ Complete join
- ☐ Partial join



## 154 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

You combine data from three tables into one table. The new table includes redundancy to optimize read performance.

The data in the new table has been denormalized.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☒ No change is needed
- ☐ Truncated
- ☐ Indexed
- ☐ Normalized



## 155 Multiple Choice

1 / 1

Smith works as a Database Administrator for DWorlds Inc.

The management instructs him to plan a database where identifying the key objects or entities for database management is important.

Which of the following database planning steps will help him to accomplish the task?

- ☒ Object identification
- ☐ Gathering information
- ☐ Object modeling
- ☐ Identifying the relationships between objects



## 156 Multiple Choice

1 / 1

Which statement best defines a view?

- ☐ a location within a database that stores specific information
- ☐ a stored statement that leads one to general information
- ☒ a stored statement that leads one to specific information
- ☐ a location within a database that stores general information



## 157 Multiple Choice

1 / 1

You need to create a view to filter rows of data from an underlying table.  
Which type of clause must be included in the CREATE VIEW statement?

- ☐ FILTER
- ☐ JOIN
- ☒ WHERE
- ☐ CONSTRAINT



## 158 Multiple Choice

1 / 1

What is one difference between an update statement and a delete statement?

- ☐ A delete statement works only within a stored procedure.
- ☒ An update statement does not remove rows from a table.
- ☐ An update statement can change only one row.
- ☐ A delete statement cannot use a where clause.



## 159 Multiple Choice

1 / 1

You have a table of products with fields for ProductID, Name, and Price.  
You need to write an UPDATE statement that sets the value in the InStock field to Yes for a specific ProductID.

Which clause should you use in your update statement?

- ☐ HAVING
- ☐ THAT

- ☒ WHERE
- ☐ GROUP BY



## 160 Multiple Choice

1 / 1

You work as the Database Administrator for www.company.com.

All servers on the www.company.com network run Windows Server 2003 and Windows Server 2000, and all client computers run Windows XP professional and Windows Vista.

The www.company.com network area consists of a single Active Directory domain named www.company.com.

The www.company.com network contains a Microsoft SQL Server 2005 database server named COMPANY-DB111, which you administer at a regular interval of time. COMPANY-DB111 contains and hosts three databases that support different types of business requirements.

The network uses the DBA database that supports internal operations including maintaining data, accounting, and mailing. The network's regular users make use of stored procedures for the data values that need insertion into the tables.

The stored procedures used in the network of the company are designed to access SQL variant type parameters and then use the values to build and execute ad hoc query statements that are the part of the SQL statements. During a routine network check, you discover that there are several odd occurrences in the database.

The odd occurrences include data deleted from tables and other unauthorized activity.

You suspect a user is executing the unauthorized statements through the stored procedures.

You are required to stop the unauthorized changes while having least impact on the stored procedures that are in use. Your explanation must use the least administrative effort.

What should you do?

- ☐ The stored procedures used for the table should be replaced with ad hoc queries.
- ☐ The input parameters should be parsed to watch for and block any input including single quotes.
- ☐ All data handling activity on the table should be audited and recorded.
- ☒ The stored procedure should be customized to use type-specific and length-restricted parameters.



## 161 Multiple Choice

1 / 1

You have a table named Product. The Product table has columns for ProductDescription and ProductCategory.

You need to change the ProductCategory value for all the spoons in the Product table to 43.

Which statement should you use?

- A. 

```
UPDATE Product
SET ProductCategory = 43
WHERE ProductDescription = 'spoon'
```
- B. 

```
SET Product
WHERE ProductDescription = 'spoon'
TO ProductCategory = 43
```
- C. 

```
UPDATE Product
WHERE ProductDescription = 'spoon'
SET ProductCategory = 43
```
- D. 

```
SET Product
TO ProductCategory = 43
WHERE ProductDescription = 'spoon'
```

- ☐ option B
- ☒ option A
- ☐ option C
- ☐ option D



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## 162 Multiple Choice

1 / 1

What statement is used to copy records from an existing table to a new table?

- ☐ SELECT
- ☐ SELECT WITHIN
- ☐ INSERT INTO SELECT
- ☒ SELECT INTO



## 163 Multiple Choice

1 / 1

You have the database table named Cars as defined below:

Type	Color	Origin
Sedan	Red	Japan
Truck	Red	USA
Minivan	Silver	Japan
Hatchback	Red	Japan
Compact	Black	Japan
SUV	Silver	Germany
Convertible	Black	USA
Hybrid	Black	Germany

You have the following Structured Query Language (SQL) statement:

```
SELECT *  
FROM Cars c  
WHERE c.Origin <> 'USA' AND  
c.Color <> 'Black'
```

How many rows are returned by the SQL statement?

- ☐ 5
- ☒ 4
- ☐ 6
- ☐ 7



## 164 Multiple Choice

1 / 1

You have a table named Employee that includes four columns. You execute the following statement:

```
SELECT *  
FROM Employee
```

FROM Employee

Which columns are returned?

- ☐ only the first column
- ☐ only the first and last columns
- ☐ only the last column
- ☒ all columns



165 Multiple Choice

1 / 1

Which statement best defines a syntax error?

- ☐ Prevents a table from being created
- ☐ Prevents changes to a database from being completed
- ☐ Causes tables to not appear correctly within a database
- ☒ Causes a statement not to run



166 Matching

1 / 1

You have two database tables as defined below. The StateID column is unique in the State table. The AddressID column is unique in the Address table. The two tables are related by the StateID column.

Each value in a field in a table must be unique	A	No	✓
Each row in a table must be unique	B	Yes	✓
Each column name in a table must unique	C	Yes	✓

☐ No ☐ Yes

167 Multiple Choice

1 / 1

You work as a Database Designer for DataOneWorld Inc.  
The company has a SQL Server database.  
You are assigned the task of creating a data model of an enterprise based on a specific data model. The model to be created should be independent of a particular DBMS.  
Which of the following database designs will help you accomplish the task?

- ☐ Physical database design
- ☐ Application design
- ☐ Conceptual database design
- ☒ Logical database design

✓

## 168 Multiple Choice

1 / 1

Which of the following is a management activity that allows the stages of the database application to be realized as efficiently and effectively as possible?

- ☐ Requirements collection and analysis
- ☒ Database planning
- ☐ Object identification
- ☐ Identifying information for objects

✓

## 169 Multiple Choice

1 / 1

Which of the following steps in database planning helps to determine the requirements of the database through interviewing?

- ☒ Gathering information
- ☐ Identifying the objects
- ☐ Identifying the relationship between objects
- ☐ Identifying the type of information for each object
- ☐ Modeling the object

✓

## 170 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

A relational database management system employs the concept of an attribute to ensure that data entered into a field in a column is valid.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☐ No change is needed
- ☐ an index
- ☒ a constraint
- ☐ a primary key

✓

## 171 Multiple Choice

1 / 1

A database contains two tables named Customer and Order.

You execute the following statement:

You execute the following statement:

```
DELETE FROM Order
WHERE CustomerID = 209
```

What is the result?

- ☐ All orders for CustomerID 209 are deleted from the Order table, and CustomerID 209 is deleted from the Customer table.
- ☒ All orders for CustomerID 209 are deleted from the Order table. ✓
- ☐ The first order for CustomerID 209 is deleted from the Order table.
- ☐ CustomerID 209 is deleted from the Customer table.

### 172 Multiple Choice

1 / 1

You execute the following statement:

```
SELECT EmployeeID, FirstName, DepartmentName
FROM Employee, Department
```

This type of operation is called a/an:

- ☐ Intersection
- ☐ Equi-join
- ☒ Cartesian product ✓
- ☐ Outer join

### 173 Multiple Choice

1 / 1

Which command should you use to give a user permission to read the data in a table?

- ☐ LET READ
- ☐ ALLOW SELECT
- ☒ GRANT SELECT ✓
- ☐ PERMIT READ

### 174 Multiple Choice

1 / 1

What is not allowed in object names in SQL?

- ☒ spaces ✓
- ☐ special characters
- ☐ symbols
- ☐ numbers

### 175 Multiple Choice

0 / 1

Before running a DELETE statement, it is always a good idea to run a(n) \_\_\_\_\_ statement on the table that is about to be changed.

- ☐ INSERT
- ☐ SELECT
- ☐ DROP
- ☒ UPDATE



## 176 Multiple Choice

1 / 1

You need to insert two new products into the Product table. The first product is named Book and has an ID of 125. The second product is named Movie and has an ID of 126.

Which statement should you use?

- A. `INSERT INTO Product  
VALUES (ID = 125, 126) (Name = 'Book', 'Movie')`
- B. `INSERT INTO Product (ID, Name)  
VALUES (125, 'Book')`  
`INSERT INTO Product (ID, Name)  
VALUES (126, 'Movie')`
- C. `INSERT 125, 126, 'Book', 'Movie'  
INTO Product`
- D. `INSERT NEW ID = 125 AND 126, Name = 'Book' AND 'Movie'  
INTO Product`
- E. `INSERT NEW ID = 125, Name = 'Book'  
INTO Product`  
`INSERT NEW ID = 126, Name = 'Movie'  
INTO Product`



- ☐ Option D
- ☐ Option A
- ☐ Option C
- ☒ Option B



## 177 Multiple Choice

1 / 1

One reason to add an index is to:

- ☒ **Improve performance of select statements.**
- ☐ **Decrease storage space.**
- ☐ **Increase database security.**
- ☐ **Improve performance of insert statements.**



## 178 Multiple Choice

1 / 1

John works as a Database Administrator for DataOneWorld Inc.  
The company has a SQL Server database.  
John wants to insert records in a table where the database is structured in a fixed format.

Which of the following data models will he use to accomplish the task?

- ☐ **Entity-Relationship Model**
- ☐ **Object relational data model**
- ☐ **Network data model**
- ☒ **Relational model**



## 179 Multiple Choice

1 / 1

In which situation do you need to perform a restore on a database?

- ☐ **When you need to roll back a transaction**
- ☐ **when data needs to be deleted from the database**
- ☒ **when data becomes corrupted in the database**
- ☐ **when you encounter an error in your application**



## 180 Multiple Choice

1 / 1

You need to store the first name, last name, and student ID for 100 students.  
This information will be stored in a table as:

- ☐ **three rows and 100 columns.**
- ☒ **100 rows and three columns.**
- ☐ **three items and 100 cells.**



- ☐ 100 items and three cells.

## 181 Multiple Choice

1 / 1

You need to add rows to a database table.

Which Structured Query Language (SQL) keyword should you use?

- ☐ CREATE
- ☐ JOIN
- ☒ INSERT
- ☐ UPDATE



## 182 Multiple Choice

0 / 1

Which keyword must be included in a create view statement?

- ☒ WHERE
- ☐ SELECT
- ☐ ORDER BY
- ☐ UPDATE



## 183 Multiple Choice

1 / 1

Which keyword would you use in a select statement to return rows that meet a specific condition?

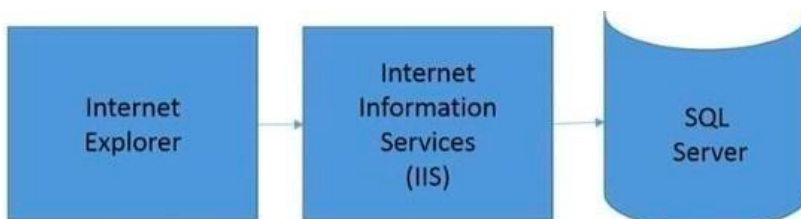
- ☐ ORDER BY
- ☐ FROM
- ☐ UNION
- ☒ WHERE



## 184 Matching

1 / 1

Instructions: For each of the following statements, select the appropriate answer choice.



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The [answer choice] computer is the first line of defense against SQL injections and weak input validation

The [answer choice] computer should be formatted with NTFS to protect program, database and log files from unauthorized access.

Aclient

Bs01.constoso.com

client

www.contoso.com

s01.constoso.com

185 Multiple Choice1 / 1

Mark works as a Database Administrator for DataOneWorld Inc. Management instructs him to provide an additional security layer to the database to prevent unauthorized viewing of data with the help of an algorithm called cipher.

Which of the following will help him to accomplish the task?

☐ Abstraction

☐ Authentication

☐ Native auditing

☒ Encryption

186 Multiple Choice1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

The UNION keyword combines the results of two queries and returns only rows that appear in both result sets.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

☒ INTERSECT

☐ JOIN

☐ No change is needed

☐ ALL

187 Multiple Choice1 / 1

Which command should you use to remove a table from a database?

☒ DROP TABLE

☐ DELETE TABLE

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64/70



- ☐ DELETE TABLE
- ☐ REMOVE TABLE
- ☐ UPDATE TABLE

## 188 Multiple Choice

1 / 1

You manage a large database named Sales.  
The Sales database contains a table named OrderDetails, which is a heavily transacted table with frequent inserts.  
Indexes in the table often become fragmented due to excessive page splitting.  
You want to minimize the amount of fragmentation due to page splits.

What should you do?

- ☒ Change the fillfactor for the indexes to 60.
- ☐ Change the fillfactor for the indexes to 100
- ☐ Update the statistics on the indexes.
- ☐ Change the fillfactor for the indexes to 0.



## 189 Multiple Choice

1 / 1

You are writing a select statement to find every product whose name contains a specific character.  
Which keyword should you use in your where clause?

- ☐ FIND
- ☐ INCLUDES
- ☒ LIKE
- ☐ BETWEEN



## 190 Matching

1 / 1

You have a database table that stores information about school attendance.  
You have a data set that is defined as follows:

StudentID	StudentName	CourseID
1	Brad	4
2	Joe	1
3	Susan	2

CourseID	CourseName
1	Math
2	Science
3	Geography
4	Reading
5	History

Match the CourseName to the StudentName.  
Instructions: To answer, drag the appropriate CourseName from the column on the left to its StudentName on the right. Each CourseName may be used once, more than once, or not at all. Each correct match is worth one point.

Brad

Joe

Susan

A

B

C

Reading

Math

Science

⌵ Geography

⌵ History

⌵ Math

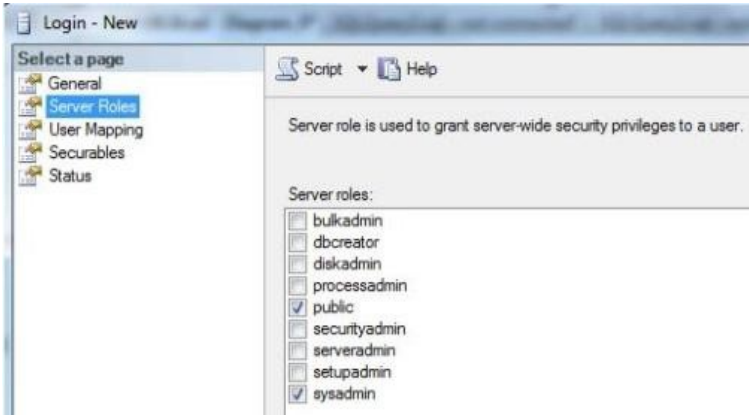
⌵ Reading

⌵ Science

191 Matching

1 / 1

You have a user that has server roles as defined below:



Instructions: Use the drop-down menus to select the answer choice that completes each statement. Each correct selection is worth one point.

The user can perform [answer choice] actions on data that is on the server

The user can perform [answer choice] actions on database objects that are on the server.

A

B

unlimited

unlimited

⌵ no

⌵ unlimited

⌵ configuration

⌵ read-only

## 192 Multiple Choice

1 / 1

Which of the following are the main approaches in the database design? Each correct answer represents a complete solution. (Choose three.)

- ☒ Bottom-up approach
- ☐ Middle approach
- ☒ Top-down approach
- ☒ Inside-out approach



## 193 Multiple Choice

1 / 1

One reason to create a stored procedure is to:

- ☐ Give the user control of the query logic.
- ☐ Minimize storage space.
- ☐ Bypass case sensitivity requirements.
- ☒ Improve performance.



## 194 Multiple Choice

0 / 1

Which of the following statements is true about referential integrity?

- ☐ It checks that the value of a primary key must be consistent throughout the life of an instance.
- ☐ It checks that no record in a child table can exist if its corresponding record is not available in the parent table.
- ☒ It distinguishes between null values and zero entries.
- ☐ It checks that no component of a primary key can have a null value and no duplicate entries can exist.



## 195 Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

A view can be used to ensure referential integrity.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

- ☐ Save an extra copy of data stored in a separate table.
- ☐ No change is needed.
- ☒ Limit access to specific rows or columns of data in a table.
- ☐ Save historical data before deleting it from the base table.



## 196 Multiple Choice

1 / 1

Consider the case of a distance education university.  
The university has many regional centers across the country.  
Each regional center has a head known as regional manager.  
Each regional center has allotted more than one study center in its region.  
Each regional center has a region code, which is unique and specifies a region.  
Each study center also has a study center code, which is also unique.

What is the relationship between regional center and study center?

- ☒ One-to-many
- ☐ Many-to-many
- ☐ One-to-one
- ☐ There is no relationship.



## 197 Multiple Choice

1 / 1

You manage a database named Customers, which includes a table named Orders.  
The Orders table is frequently queried, but only orders with a sales total of more than \$1000.00 are required in the query.  
You want to create an index to speed up these types of queries at the same time, ensuring the index is as small as possible.

What type of index should you use?

- ☒ Filtered
- ☐ Clustered
- ☐ Non-clustered
- ☐ XML



## 198 Multiple Choice

1 / 1

Which statement creates a composite key?

- A. `CREATE TABLE Order  
(OrderID INTEGER PRIMARY KEY,  
OrderItemID INTEGER PRIMARY KEY)`
- B. `CREATE TABLE Order  
(OrderID INTEGER,  
OrderItemID INTEGER,  
PRIMARY KEY OrderID,  
PRIMARY KEY OrderItemID)`
- C. `CREATE TABLE Order  
(OrderID INTEGER,  
OrderItemID INTEGER,  
PRIMARY KEY)`
- D. `CREATE TABLE Order  
(OrderID INTEGER,  
OrderItemID INTEGER,  
PRIMARY KEY(OrderID, OrderItemID))`

- ☐ Option A

- ☐ Option C
- ☒ Option D
- ☐ Option B

**199** Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

Truncate is a database term used to describe the process of applying a backup to a damaged or corrupt database.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct.

- ☐ No Change is needed
- ☒ Restore
- ☐ Commit
- ☐ Attach

**200** Multiple Choice

1 / 1

This question requires that you evaluate the underlined text to determine if it is correct.

The UNION keyword combines the results of two queries and returns only rows that appear in both result sets.

Instructions: Review the underlined text. If it makes the statement correct, select "No change is needed." If the statement is incorrect, select the answer choice that makes the statement correct

- ☐ JOIN
- ☐ ALL
- ☒ INTERSECT
- ☐ No change is needed



