The set of allowable values for one or more attributes:

- Domain of attribute
- Tuple
- None of the answers
- Degree of relation



A NULL represents:

- $_{\odot}$ All of the answers
- Absence of a value
 - Spaces
 - _ Zeros





This query:

SELECT studentD, fName, IName, Address

ORDER BY studentID ASC;

FROM Student

ls:





In this query:

SELECT BranchNo, COUNT(staffNo)

FROM Branch_Staff

GROUP BY BranchNo

ORDER BY BranchNo;

The processing order of clauses is:

- SELECT, FROM, GROUP BY, then ORDER BY
- FROM, GROUP BY, SELECT, then ORDER BY
- FROM, SELECT, ORDER BY, then GROUP BY
- _ FROM, SELECT, GROUP BY, then ORDER BY

An alias can be used for a table named in the WHERE clause, where the alias is separated from the table name with a space.

○ True ○ False

Moving to the next question prevents changes to this answer.

Question **5** of **37** >

```
This query:
```

SELECT studentD, fName, IName, Gender

Student **FROM**

HAVING Gender='F';

ls:

○ True ○ False

To retrieve all records from Employee table sorted by FirstName in a descending order, we write:

- SELECT * FROM Employee ORDER FirstName DESC;
- SELECT * FROM Employee SORT BY 'FirstName' DESC;
- SELECT * FROM Employee SORT 'FirstName' DESC;
- SELECT * FROM Employee ORDER BY FirstName DESC;

HAVING clause cannot be used without GROUP BY clause in a SELECT statement.

True False

The goal of database normalization is to decompose relations with anomalies in order to produce smaller, unstructured relations.

- True
- False



When non key attribute depends on only part of the primary key not on the whole primary key, this is called:

- Repeating groups
- None of the answers
- Partial dependency
- Transitive dependency



A relational database table is often described as "normalized" if it is:

- _ In the Second Normal Form (2NF)
- In the Third Normal Form (3NF)
- None of the answers
- _ In the First Normal Form (1NF)

The database will be in 1NF if every attribute in every row can contain only one single (atomic) value and there are no repeating groups in the table.

- True
- False





In the design of a relational database management system (RDBMS), the process of organizing data to minimize redundancy is called:

- Requirements analysis
- Normalization
- Design of conceptual model
- Mapping to relational model



When any non-key attribute depends on any other non-key attribute in a given relation ,this is

- None of the answers
- Partial dependency
- Transitive dependency
- Repeating groups

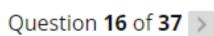
○ True ○ False

Moving to the next question prevents changes to this answer.

Question 15 of 37 >

Intersection operation produces all combinations of tuples from two relations.





The result of difference operation (R-S) is a relation with tuples from S but not from R.



Moving to the next question prevents changes to this answer.

Question 17 of 37 >

Attributes of relations need not be identical to perform union, intersection and difference operations.



Moving to the next question prevents changes to this answer.

Question 18 of 37

Projection is binary operator that limits the attributes that will be returned from the original relation.

○ True ○ False



Moving to the next question prevents changes to this answer.

Question 19 of 37 >



relation exists when one instance of the first entity (parent) can relate to many instances of the second entity (child), and one instance of the second entity can relate to many instances of the first entity

- \bigcirc M to M
- $_{\odot}$ M to 1
- _ 1 − to − 1
- _ 1 − to − M

The number of instances of one entity type that may be associated with each instance of the other entity type:

- Ternary relationship
- Binary relationship
- Cardinality of relationship
- None of the answers

In Logical Database Design Phase, there are two design strategies: top-down and bottom-up.

- True
- False





In the database development process, business rules are clarified in _ Phase.

- Requirement Analysis
- O Physical Design
- Logical Design
- Conceptual Design

The following clauses are mandatory in the SELECT statements:

- WHERE
- None of the answers
- ORDER BY
- GROUP BY



This part of SELECT statement can determine which rows will be displayed in the result:

- HAVE
- SELECT
- WHERE
- FROM

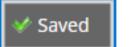




To delete the records where the FirstName is "Ahmad" in the Employee Table, we write:

- DELETE FROM Employee WHERE FirstName = 'Ahmad'
- DELETE FirstName = 'Ahmad' FROM Employee
- DELETE FROM Employee FirstName = 'Ahmad'
- DELETE ROW FirstName = 'Ahmad' FROM Employee





This SQL statement:

INSERT INTO Student(studentID, name, city)

VALUES (1234, 'Ahmad');

is:

○ True ○ False





The query:

SELECT employeeID

FROM Employee

WHERE bonus BETWEEN 40 AND 80;

contains search condition of type:

- $_{\odot}$ None of the answers
- Comparison
- O Set membership
- Range



The query:

SELECT branchNo, branchAddress

FROM BranchData

WHERE branchAddress IN ('Makkah', 'Jeddah');

contains search condition of type:

- Range
- Set membership
- Comparison
- O None of the answers



DROP TABLE Employee; remove table Employee but does not remove its data.

○ True ○ False



The SQL command that removes all the referencing tuples in the child table:

- ON DELETE CASCADE
- None of the answers
- ON DELETE SET NULL
- ON DELETE REMOVE CHILD

```
The output of:
```

SELECT DATE_FORMAT(SYSDATE(), ' %Y/%m/%d ')

FROM DUAL;

is:

- O 2020/23/12
- 2020/12/23
 - 12/23/2020
- O None of the answers



ALTER TABLE Student

(Address VARCHAR(30)); ADD

is used to change the definition of Table Student by adding a new column.

- True
- → False



The child table must be created first, so that the parent table will reference an existing child table when it is created.

- True
- False



Moving to the next question prevents changes to this answer.

Question **36** of **37**

Data type VARCHAR(n) is flexible and saves space more than CHAR(n)

○ True ○ False



Click **Submit** to complete this assessment.

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Save and Submit