

Qu1: Based of the following tables, which of the following SQL statements will fnd the number of diffrenet seasons that each has played for:

PlayedFor

Player	Team	Season
Sam	Red	2000
Jill	Blue	2000
Tim	Red	2005
Tim	Red	2006
Tim	Green	2007

ManagedBy

Manager	Team	Season
Harry	White	2000
Jimmy	Red	2005
Jimmy	Red	2006
Barry	Green	2006
Alice	Green	2007

select one:

1. SELECT Player, COUNT(DISTNCT Season)

FROM PlayedFor GROUP BY Player;

2. SELECT Player, Total(DISTINCT Season)

FROM PlayedFor GROUP BY Player;

3. SELECT Player, COUNT(DISTINCT Team)

FROM PlayedFor GROUP BY Player;

4. SELECT Player, COUNT(DISTINCT Season)

FROM PlayedFor GROUP BY Season;

Qu2:

ID	Name	Address	Department
1	Samer	Amman	CS
2	Omar	Amman	CIS
3	Ibrahim	Irbid	CIS
4	Ali	Amman	CS
5	Salem	Zarqa	IT
6	Suha	Irbid	IT
7	Faris	Jarash	CIS

Select department, address, count(*)
from studet
Group by department, address

Select one:

1. 4 records
2. 5 records
3. 6 records
4. 7 records

Qu3:

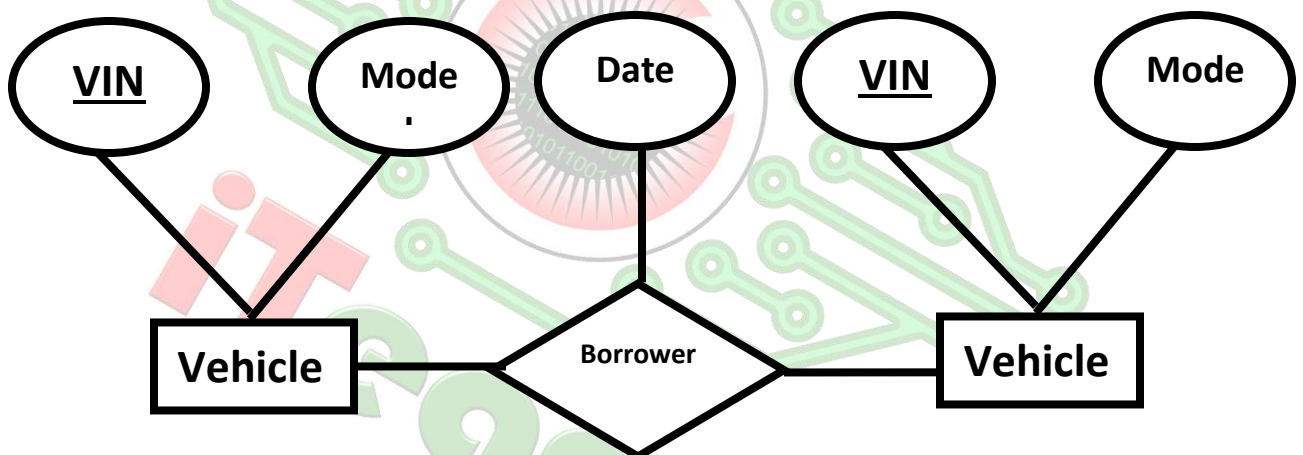
Elimination of 'transitive functional dependency' is a necessary step for the database to be in:

Select one:

1. 3rd NF
2. 1st NF
3. 4th NF
4. 2nd NF

Qu4:

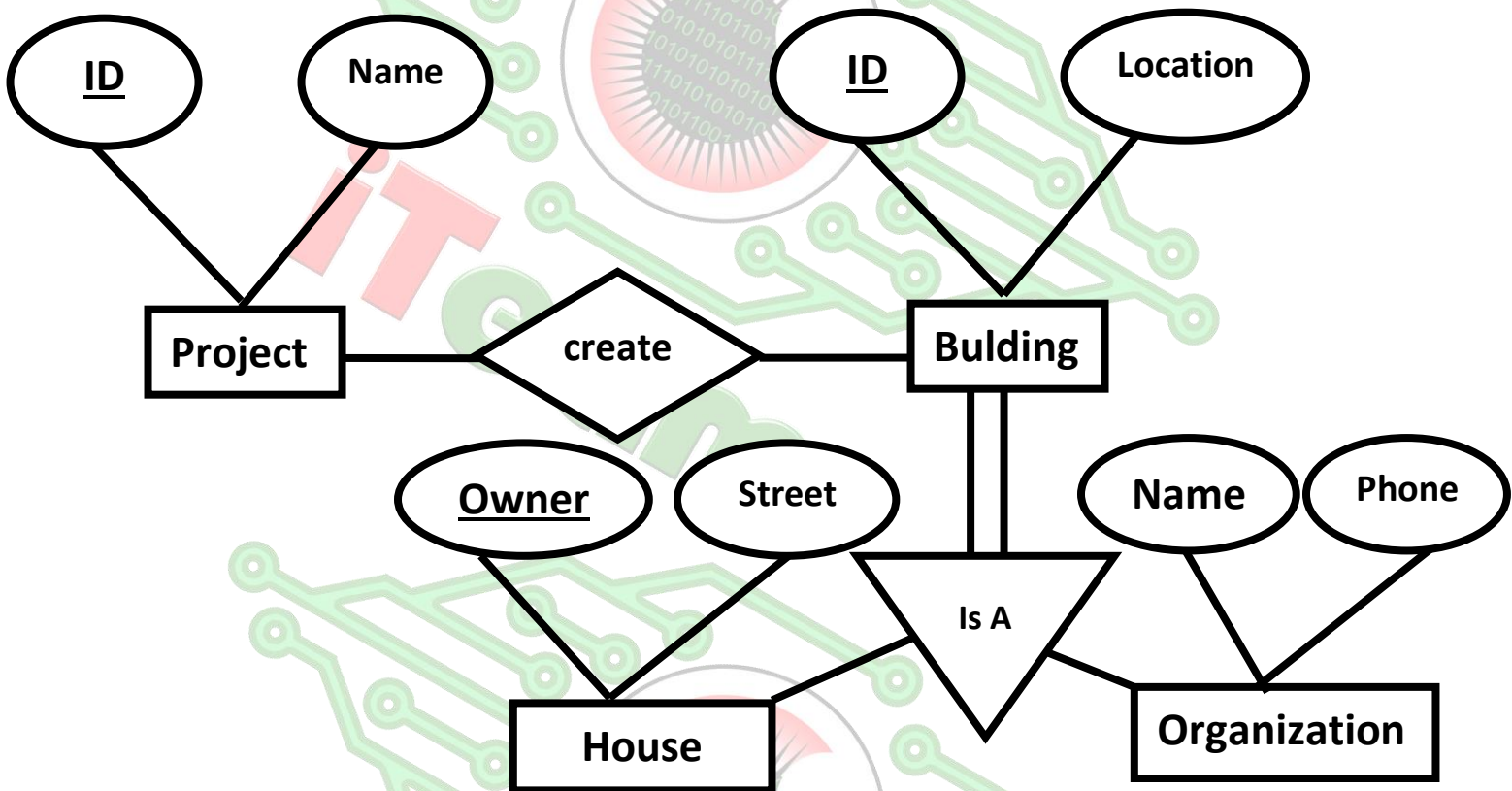
How many tables will result from mapping the fowling ERD:



Select one:

1. Four Tables
2. One Tables
3. Three Tables
4. Two Tables

Qu5: When mapping the following ER-Diagram into relational, HOW many overall Entities will result, and HOW many Attributes will be n the Organization Table:



Select one:

1. Overall THREE Entities, and FOUR Attributes in the Organization Entity
2. Overall FIVE Entities, and THREE Attributes in the Organization Entity
3. Overall FIVE Entities, and TWO Attributes in the Organization Entity
4. Overall FOUR Entities, and TWO Attributes in the Organization Entity
5. Overall FOUR Entities, and FOUR Attributes in the Organization Entity

Qu7:

All the following are TRUE about TYPES and DOMAINS n SQL, EXCEPT:

Select one:

1. Types can have 'check' constraint
2. Domains can have 'not null' constraint
3. Types can't have constraints
4. None of the given choices

Qu8:

Which of the following SQL structures are valid insert statements?

- I. insert into department('1','CS');
- II. inset values into department('1','CS');
- III. insert into department values('1','CS');
- IV. insert into department (name,id) values ('CS','1');

Select one:

1. I and IV
2. III and IV
3. I only
4. II only
5. II and III

Qu9:

Based on the following schema, which SQL statement that will find the total buildings are created for each project ID

Project(Pro_ID, Proj_Name, Start_Date, End_Date)

Building(Build_ID,Address,Proj_ID)

Select one:

1. Select Proj_ID, sum(build_id)
From Buliding,Project
where Building.Proj_ID = Building.Proj_ID
Group by proj_ID
2. Select Proj_name, count(build_id)
From Buliding.Project
where Building.Proj_ID = Building.Proj_ID
Group by proj_name
3. Select Proj_ID, sum(build_id)
From Buliding.Project
where Building.Proj_ID = Building.Proj_ID
Group by proj_name
4. Select Proj_name, sum(build_id)
From Buliding.Project
Group by proj_ID

Qu10:

In a relational database management system, a rule that ansures that every record in a table is unique is called

Select one:

1. Referential integrity constraint
2. Partial key constraint
3. Participation constraint
4. Primary key constraint

Qu11:

In a set operation between two SQL statements, all the following are correct, ESCEPT:

Select one:

1. Order of attributes in the two statements should be the identical
2. Number of attributes n the two statements can be different
3. The data types of attributes n the two statement should be identical

4. The name of attributes in the two statements in the two statements can be identical

Qu 11:

Which of the following for a relation:

Select one:

1. There can be a field with non-atomic value
2. The columns can be in any order
3. None of the given choices
4. Two rows may be identical

Qu 12:

DDL is provided for:

Select one:

1. None of the given choices
2. Addition of new structures in the BD system
3. Description of logical structure of DB
4. Manipulation and processing of DB

Qu 13:

What is the result of transforming the following purchase order into 2nd NF:

Order ID:1

Purchase Order

Supplier ID:101

Supplier Name: Mark

Item Number	Name	Amount	Price	Total Price
1000	Keyboard	15	5\$	75\$
1001	Mouse	20	6\$	120\$
1005	Camera	7	20\$	140\$

Select one:

1. (Order_Num,Order_Date)
(Item_Num,Item_Name)
(Order_Num,Item_Num,Amount,price,Supplier_ID,Supplier_Name)

2. (Order_ID,Order_Date,Supplier_ID,Supplier_Name)
(Item_Num,Item_Name)
(Order_Num,Item_Num,Amount,price)
3. (Order_Num,Order_Date,Supplier_ID,Supplier_Name)
(Item_Num,Item_Name)
(Order_Num,Item_Num,Amount,price)
4. (Order_ID,Supplier_ID,Supplier_Name)
(Item_Num,Item_Name)
(Order_Num,Item_Num,Amount,price)

Qu14:

Compared to file system, all the following are potential advantages of using a database, EXCEPT:

Select one:

1. Better data consistency
2. Improved data integrity
3. Higher cost
4. Control of redundancy

Qu15:

Which of the following is allowed for an entity?

Select one:

1. The primary key should always be the first attribute
2. Two rows may be identical
3. Fields can have any order
4. There can be a field with non-atomic value

Qu16:

The most fundamental concept of the ER modeling is:

Select one:

1. Type
2. Class
3. Entity
4. Domain

Qu17:

To express the fact that every entity in the entity set participates in at least one relationship in the relationship set, we use:

Select one:

1. Overlapping Specialization
2. Total participation
3. Partial participation
4. Strong Entity Set

Qu18:

All the following are correct about roles in SQL, EXCEPT:

Select one:

1. A single user can only have one role
2. There can be a chain of roles
3. A role can be granted to another role
4. A role can be granted to a group of users

Qu19:

Renaming in SQL is used to:

Select one:

1. Give tables permanent names
2. Give relationships permanent names
3. Give attributes temporary names
4. Give attributes permanent names

Qu20:

The usual way for relational database designers to enforce referential integrity by:

Select one:

1. Not null in the CREATE TABLE COMMAND
2. Foreign Key in the CREATE TABLE COMMAND
3. Check Integrity in the CREATE TABLE COMMAND
4. Primary Key in the CREATE TABLE COMMAND

Qu21:

A business rule which states that an employee may supervise several projects is an example of:

Select one:

1. Composite
2. Binary relationship
3. Incomplete
4. Unary relationship

Qu22:

Based on the following authorization commands(order from 1 to 14), which of the following privileges is true assuming that Ali is the owner of the database?

Order	By	Command
1	Ali	Grant Select on Employee to Omar with grant option;
2	Omar	Grant Select on Employee to Samer with grant option;
3	Ali	Grant Update on Employee to Omar with grant option;
4	Ali	Revoke Select on Employee From Omar Cascade;

Select one:

1. Ali has select privilege on employee
Ali and Omar have Update privilege on employee

2. Ali and Omar have select privilege on employee
Ali and Omar have Update privilege on employee
3. Omar and Samer have select privilege on employee
Ali and Omar have Update privilege on employee
4. Ali, Omar and Samer have select privilege on employee
Ali and Omar have Update privilege on employee

Qu23:

The most fundamental concepts of the ER modeling is:

1. Classes
2. Entities
3. Relationships and Entities
4. Relationship