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| **Started on** | Wednesday, 13 December 2023, 9:27 AM |
| **State** | Finished |
| **Completed on** | Wednesday, 13 December 2023, 9:36 AM |
| **Time taken** | 8 mins 30 secs |
| **Marks** | 14.00/15.00 |
| **Grade** | **93.33** out of 100.00 |

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Question **1**

Complete

Mark 0.00 out of 1.00

Flag question

Question text

Which symbol is used to represent a weak relationship in an ER diagram?

Select one:

a. Rectangle

b. Diamond

c. Triangle

d. Double Diamond

Question **2**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What is a partial participation in an ER diagram?

Select one:

a. When an entity has to necessarily participate in all relationship instances

b. When an entity cannot participate in any relationship instance

c. When an entity can choose whether to participate in a relationship or not

d. When an entity may participate in some relationship instances but not all

Question **3**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What is a one-to-many cardinality ratio in an ER diagram?

Select one:

a. One entity can only be related to one other entity, but that entity can be related to many other entities

b. One entity can be related to many other entities, and each of those entities can also be related to many other entities

c. One entity can be related to many other entities, but each of those entities can only be related to one entity

d. One entity can only be related to one other entity, and that entity can also only be related to the one entity

Question **4**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What does the following MySQL query do? SELECT \* FROM employees WHERE department\_id = 5;

Select one:

a. Retrieves all columns from the "employees" table

b. Updates all employees to have a department ID of 5

c. Retrieves distinct department IDs from the "employees" table

d. Retrieves employees with a department ID of 5

Question **5**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which operator includes all rows, including duplicates, in the result set of combined SELECT statements?

Select one:

a. INTERSECT

b. UNION

c. UNION ALL

d. EXCEPT

Question **6**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What is the purpose of the following MySQL query? SELECT product\_name, price FROM products WHERE category = 'Electronics';

Select one:

a. Retrieves the names and prices of products in the "Electronics" category.

b. Updates the price of products in the "Electronics" category.

c. Retrieves all columns and rows from the "products" table.

d. Deletes products with a price less than a specified value.

Question **7**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What is the purpose of the REVOKE command?

Select one:

a. To create, alter, and delete database objects

b. To manage transactions

c. To provide specific privileges or permissions to users or roles

d. To remove or revoke specific privileges or permissions

Question **8**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What does the following MySQL query do? SELECT \* FROM employees WHERE salary BETWEEN 40000 AND 60000;

Select one:

a. Selects all employees with a salary between 40000 and 60000

b. Adds a new employee with a salary between 40000 and 60000

c. Deletes employees with a salary outside the range 40000 to 60000

d. Updates the salary of employees to be between 40000 and 60000

Question **9**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which operator is used to filter results within a range?

Select one:

a. BETWEEN

b. OR

c. AND

d. LIKE

Question **10**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What does the following MySQL query achieve? SELECT DISTINCT category FROM products;

Select one:

a. Retrieves unique categories from the "products" table

b. Deletes duplicate categories from the "products" table

c. Updates the category column in the "products" table

d. Retrieves all columns from the "products" table

Question **11**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which normal form requires that all attributes of a relation are atomic and contain no multi-valued attributes?

Select one:

a. 2NF (Second Normal Form)

b. 3NF (Third Normal Form)

c. 1NF (First Normal Form)

d. BCNF (Boyce-Codd Normal Form)

Question **12**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which operator is used to specify multiple values in a WHERE clause?

Select one:

a. IN

b. AND

c. OR

d. LIKE

Question **13**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which operator is used for pattern matching in string comparisons?

Select one:

a. IN

b. AND

c. OR

d. LIKE

Question **14**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

What is the purpose of the following MySQL query? SELECT employee\_name, salary FROM employees WHERE department\_id = 101;

Select one:

a. Retrieves employee names and salaries from all departments

b. Adds a new employee to department 101

c. Retrieves employee names and salaries from department 101

d. Updates the salaries of employees in department 101

Question **15**

Complete

Mark 1.00 out of 1.00

Flag question

Question text

Which operator is used to combine the result sets of two or more SELECT statements, removing duplicate rows?

Select one:

a. INTERSECT

b. UNION

c. EXCEPT

d. CONCAT

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