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DBMS & SQL

Introduction to DBMS Concepts Test

This Test will cover the basic concepts of DBMS, including Codd's Rule, Normalization, ER Diagram, Generalization, Specialization etc.

Q.Rule One of Codd's rules states that

A. All information is to be represented as stored data in cells of tables.

B. Primary key must not be null. Expression on NULL must give null..

C. All view that are theoretically updatable should be updatable by the system.

D. A database should work properly regardless of its distribution across a network.

Correct Answer : OPTION A

Q. A single entry in a table is called a _____.

A.
>Field

B. Column

C. Record

D. Data

Correct Answer : OPTION C, Record

Q. _____ are defined as the set of fields from which primary key can be selected.

A. Super Key

B. Candidate key

C. Composite Key

D. Secondary Key

Correct Answer : OPTION B, Candidate key

Q. Which of the following statement is not correct ?

A. Non-key attributes are attributes other than candidate key attributes.

B. Non-prime Attributes are attributes other than Primary attribute.

C. Super Key is a superset of Candidate key.

D. Candidate key which are not selected for primary key are known as Foreign key.

Correct Answer : OPTION D

Q. Second form of Normalization requires _____ .

A. that there must not be any partial dependency of any column on primary key.

B. that every non-prime attribute of table must be dependent on primary key.

C. that each column must have a unique value.

D. None of the above

Correct Answer : OPTION A

Q. _____ is a process when relation between two entity is treated as a single entity.

    A. Normalization

    B. Aggregration

    C. Generalization

    D. Specialization

    Correct Answer : OPTION B, Aggregration

Q. In ER Diagram, relationship is represented using?

    A. Diamond.

    B. Rectangle

    C. Eclipse

    D. Double rectangle.

    Correct Answer : OPTION A, Diamond

Q. In an ER Diagram, ellipse with underlying lines is used to represent _____ ?

    A. attribute

    B. Key attribute.

    C. Composite attribute.

    D. Multivalued attribute

    Correct Answer : OPTION B, Key attribute.

Q. _____ constraint is used to restricts actions that would destroy links between tables?

A. Primary key

B. Foreign Key

C. Check

D. Not Null

Correct Answer : OPTION B, Foreign Key

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Q. Default storage class for local variables is _____ ?

A. auto

B. register

C. static

D. extern

Correct Answer : OPTION A, Primary Key

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