MSDS 7330

File Organization and Database Management In Class Assessment 1

This is a homework assignment for MSDS7330, File Organization and Database Management.

1. The DBMS acts as an interface between what two components of an enterprise-class database system?
   1. Database application and the database
   2. Data and the database
   3. **The user and the database application**
   4. Database application and SQL
2. The following are components of a database except which of the following?
   1. user data
   2. metadata
   3. **reports**
   4. indexes
3. Table is synonymous with the term
   1. record
   2. **relation**
   3. column
   4. row
4. Row is synonymous with the term
   1. column
   2. relation
   3. field
   4. **record**
5. Attribute is synonymous with the term
   1. record
   2. relation
   3. **column**
   4. row
6. For some relations, changing the data can have undesir- able consequences called:
   1. referential integrity constraints.
   2. **modification anomalies.**
   3. normal forms.
   4. transitive dependencies.
7. The different classes of relations created by the tech- nique for preventing modification anomalies are called:
   1. **normal forms.**
   2. referential integrity constraints.
   3. functional dependencies.
   4. relation instance.
8. A *database schema* is
   1. A plan created by the database.
   2. **The logical design of the database.**
   3. A particular instance of a database.
   4. The snapshot of the data in the database at a given time.
9. The primary key is selected from the
   1. composite keys.
   2. determinants.
   3. **candidate keys.**
   4. foreign keys.
10. Which of the following is a group of one or more attributes that uniquely identifies a row?
    1. **Key**
    2. Determinant
    3. Tuple
    4. Relation

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1. A relation is considered a
   1. Column.
   2. one-dimensional table.
   3. **two-dimensional table.**
   4. three-dimensional table.
2. In the relational model, relationships between relations or tables are created by using:
   1. composite keys.
   2. determinants.
   3. candidate keys.
   4. **foreign keys.**
3. You have run an SQL statement that asked the DBMS to display data in a table named UserTables. The results include columns of data labeled ‘TableName,’ ‘NumberOfColumns’ and ‘PrimaryKey.’ What are these labels?
   1. user data
   2. **metadata**
   3. a report
   4. indexes
4. An Enterprise Resource Planning application is an ex- ample of a(n) ?
   1. single-user database application
   2. **multiuser database application**
   3. e-commerce database application
   4. data mining database application
5. The following are functions of a DBMS except ?
   1. **creating and processing forms**
   2. creating databases
   3. processing data
   4. administrating databases