



# DBMS MCQS

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## Collections of Database Management System Multiple Choice Questions

### Solved MCQ on fundamental of DBMS

#### Set-1

1) Which of the following is not a characteristic of a relational database model?

- A. Table
- B. Tree like structure
- C. Complex logical relationship
- D. Records

2) Field is otherwise called as ..... of the record

- A. data item
- B. data type
- C. value
- D. variable

3) A table can have only one

- A. Secondary key
- B. Alternate key
- C. Unique key
- D. Primary key

4) A field can be called as ..... in relation context.

- A. random file
- B. direct file
- C. attribute
- D. tuple

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5) In the relational modes, cardinality is termed as

- A. Number of tuples
- B. Number of attributes
- C. Number of tables
- D. Number of constraints

6) The ..... is used for creating and destroying table, indexes and other forms of structures.

- A. data manipulation language
- B. data control language
- C. transaction control language
- D. data definition language

7) The view of total database content is

- A. Conceptual view
- B. Internal view
- C. External view
- D. Physical view

8) The ..... refers to the way data is organized in and accessible from DBMS.

- A. database hierarchy
- B. data organization
- C. data sharing
- D. data model

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9) Architecture of the database can be viewed as

- A. two levels
- B. four levels
- C. three levels
- D. one level

10) ..... introduced the relational database rules.

- A. Atul kahate
- B. James Gossling
- C. EF Codd
- D. Dennies Rithchie

11) In a relational model, relations are termed as

- A. Tuples
- B. Attributes
- C. Tables
- D. Rows

12) When the values in one or more attributes being used as a foreign key must exist in another set of one or more attributes in another table, we have created a(n) .....

- A. transitive dependency
- B. insertion anomaly
- C. referential integrity constraint
- D. normal form

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13) In the architecture of a database system external level is the

- A. physical level
- B. logical level
- C. conceptual level
- D. view level

14) A functional dependency is a relationship between or among .....

- A. tables
- B. rows
- C. relations
- D. attributes

15) Related fields in a database are grouped to form a

- A. data file
- B. data record
- C. menu
- D. bank

16) ..... is, a table have more than one set of attributes that could be chosen as the key

- A. foreign key
- B. integrity key
- C. relationship
- D. candidate key

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17) The database environment has all of the following components except.

- A. users
- B. separate files
- C. database
- D. database administrator

18) The operation of eliminating columns in a table done by ..... operation.

- A. Restrict
- B. Project
- C. Union
- D. Divide

19) The way a particular application views the data from the database that the application uses is a

- A. module
- B. relational model
- C. schema
- D. sub schema

20) ..... is a condition specified on a database schema and restricts the data that can be stored in an instance of the database.

- A. Key Constraint
- B. Check Constraint
- C. Foreign key constraint
- D. integrity constraint

## Collections of Database Management System Multiple Choice Questions

### Answers:

- 1) B. Tree like structure
- 2) A. data item
- 3) D. Primary key
- 4) C. attribute
- 5) A. Number of tuples
- 6) D. data definition language
- 7) A. Conceptual view
- 8) D. data model
- 9) C. three levels
- 10) C. EF Codd
- 11) C. Tables
- 12) C. referential integrity constraint
- 13) D. view level
- 14) D. attributes
- 15) B. data record
- 16) D. candidate key
- 17) A. users
- 18) B. Project
- 19) D. sub schema
- 20) B. Check Constraint

## Collections of Database Management System Multiple Choice Questions

### set-2

1) A relational database developer refers to a record as

- A. a criteria
- B. a relation
- C. a tuple
- D. an attribute

2) ..... keyword is used to find the number of values in a column.

- A. TOTAL
- B. COUNT
- C. ADD
- D. SUM

3) An advantage of the database management approach is

- A. data is dependent on programs
- B. data redundancy increases
- C. data is integrated and can be accessed by multiple programs
- D. none of the above

4) The collection of information stored in a database at a particular moment is called as .....

- A. schema
- B. instance of the database
- C. data domain
- D. independence



## Collections of Database Management System Multiple Choice Questions

5) Data independence means

- A. data is defined separately and not included in programs.
- B. programs are not dependent on the physical attributes of data
- C. programs are not dependent on the logical attributes of data
- D. both B and C

6) A ..... is used to define overall design of the database

- A. schema
- B. application program
- C. data definition language
- D. code

7) Key to represent relationship between tables is called

- A. primary key
- B. secondary key
- C. foreign key
- D. none of the above

8) Grant and revoke are ..... statements.

- A. DDL
- B. TCL
- C. DCL
- D. DML

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9) DBMS helps achieve

- A. Data independence
- B. Centralized control of data
- C. Neither A nor B
- D. Both A and B

10) ..... command can be used to modify a column in a table

- A. alter
- B. update
- C. set
- D. create

Answers:

- 1) C. a tuple
- 2) B. COUNT
- 3) C. data is integrated and can be accessed by multiple programs
- 4) B. instance of the database
- 5) D. both B and C
- 6) A. schema
- 7) C. foreign key
- 8) D. DML
- 9) D. Both A and B
- 10) A. alter

## Collections of Database Management System Multiple Choice Questions

### set-3

1) The RDBMS terminology for a row is

- A. tuple
- B. relation
- C. attribute
- D. degree

2) To change column value in a table the ..... command can be used.

- A. create
- B. insert
- C. alter
- D. update

3) The full form of DDL is

- A. Dynamic Data Language
- B. Detailed Data Language
- C. Data Definition Language
- D. Data Derivation Language

4) To pass on granted privileges to other user the ..... clause is used

- A. create option
- B. grant option

## Collections of Database Management System Multiple Choice Questions

C. update option

D. select option

5) A set of possible data values is called

A. attribute

B. degree

C. tuple

D. domain

6) ..... is critical in formulating database design.

A. row column order

B. number of tables

C. functional dependency

D. normalizing

7) A primary key if combined with a foreign key creates

A. Parent-Child relationship between the tables that connect them

B. Many to many relationship between the tables that connect them

C. Network model between the tables that connect them

D. None of the above

8) A ..... represents the number of entities to which another entity can be associated

A. mapping cardinality

B. table

C. schema

## Collections of Database Management System Multiple Choice Questions

D. information

9) Which two files are used during operation of the DBMS

A. Query languages and utilities

B. DML and query language

C. Data dictionary and transaction log

D. Data dictionary and query language

10) A ..... is a set of column that identifies every row in a table.

A. composite key

B. candidate key

C. foreign key

D. super key

### Answers:

1) A. tuple

2) D. update

3) C. Data Definition Language

4) B. grant option

5) D. domain

6) C. functional dependency

7) A. Parent-Child relationship between the tables that connect them

8) A. mapping cardinality

9) C. Data dictionary and transaction log

10) D. super key

## Collections of Database Management System Multiple Choice Questions

### set-4

1) The language that requires a user to specify the data to be retrieved without specifying exactly how to get it is

- A. Procedural DML
- B. Non-Procedural DML
- C. Procedural DDL
- D. Non-Procedural DDL

2) Which two files are used during operation of the DBMS?

- A. Query languages and utilities
- B. DML and query language
- C. Data dictionary and transaction log
- D. Data dictionary and query language

3) The database schema is written in

- A. HLL
- B. DML
- C. DDL
- D. DCL

4) The way a particular application views the data from the database that the application uses is a

- A. module
- B. relational model
- C. schema
- D. sub schema

## Collections of Database Management System Multiple Choice Questions

5) The relational model feature is that there

- A. is no need for primary key data
- B. is much more data independence than some other database models
- C. are explicit relationships among records.
- D. are tables with many dimensions

6) Which one of the following statements is false?

- A. The data dictionary is normally maintained by the database administrator
- B. Data elements in the database can be modified by changing the data dictionary.
- C. The data dictionary contains the name and description of each data element.
- D. The data dictionary is a tool used exclusively by the database administrator.

7) Which of the following are the properties of entities?

- A. Groups
- B. Table
- C. Attributes
- D. Switchboards

8) Which database level is closest to the users?

- A. External
- B. Internal
- C. Physical
- D. Conceptual

## Collections of Database Management System Multiple Choice Questions

9) Which are the two ways in which entities can participate in a relationship?

- A. Passive and active
- B. Total and partial
- C. Simple and Complex
- D. All of the above

10) ..... data type can store unstructured data

- A. RAW
- B. CHAR
- C. NUMERIC
- D. VARCHAR

### Answers:

- 1) B. Non-Procedural DML
- 2) C. Data dictionary and transaction log
- 3) C. DDL
- 4) D. sub schema
- 5) B. is much more data independence than some other database models
- 6) B. Data elements in the database can be modified by changing the data dictionary.
- 7) C. Attributes
- 8) A. External
- 9) B. Total and partial
- 10) A. RAW



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