

DATABASE MANAGEMENT SYSTEM SQL

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

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

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

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) menu

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

- (a) foreign key
- (b) integrity key
- (c) relationship
- (d) candidate key

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

21. A _____ specifies the actions needed to remove the drawbacks in the current design of database.

(a) 1 NF

(b) 2 NF

(c) 3 NF

(d) Normal form

22. A relation is in _____ if an attribute of a composite key is dependent on an attribute of other composite key.

(a) 2 NF

(b) 3 NF

(c) BCNF

(d) 1 NF

23. Fifth Normal form is concerned with

(a) Functional dependency

(b) Multivalued dependency

(c) Join dependency

(d) Domain key

24. A table is in the _____ if only candidate keys are the determinants.

(a) functional dependency

(b) transitive dependency

(c) 4 NF

(d) BCNF

25. In 2NF

(a) No functional dependencies exist

(b) No multivalued dependencies exist

(c) No partial functional dependencies exist

(d) No partial multivalued dependencies exist

26. The normal form that is not necessarily dependency preserving is

(a) 2 NF

(b) 3 NF

(c) BCNF

(d) 4 NF

27. The _____ is related to the concept of multivalued dependency.

- (a) fourth normal form
- (b) fifth normal form
- (c) boyce codd normal form
- (d) third normal form

28. Which normal form is considered adequate for normal relational database design?

- (a) 2 NF
- (b) 5 NF
- (c) 4 NF
- (d) 3 NF

29. Dependency preservation is not guaranteed in

- (a) BCNF
- (b) 3 NF
- (c) 4 NF
- (d) DKNF

30. A relation is _____ if every field contains only atomic values that is, no lists or sets.

- (a) 1 NF
- (b) 2 NF
- (c) 3 NF
- (d) BCNF