

Database Management System

Multiple Choice Questions & Answers:-

1.) Where is metadata stored in MySQL?

Options are:

- A.) In the MySQL database meta
- B.) In the MySQL database metasql
- C.) In the MySQL database metadata
- D.) In the MySQL database mysql

Answer: D

3.) What MySQL property is used to create a surrogate key in MySQL?

Options are:

- A.) IDENTICAL
- B.) UNIQUE
- C.) AUTO_INCREMENT
- D.) SEQUENCE

Answer: C

4.) A relational database consists of a collection of

Options are:

- A.) Keys
- B.) Records
- C.) Tables
- D.) Fields

Answer: C

5.) A Database Management System (DBMS) is:

Options are:

- A.) Collection of data describing one particular enterprise
- B.) Collection of programs to access data
- C.) All Options are correct

D.) Collection of interrelated data

Answer: C

6.) Which of the following is not a level of data abstraction?

Options are:

A.) View Level

B.) Physical Level

C.) Logical Level

D.) Critical Level

Answer: D

7.) Disadvantages of File systems to store data is:

Options are:

A.) Data isolation

B.) Data redundancy and inconsistency

C.) Difficulty in accessing data

D.) All options are correct

Answer: D

8.) In an Entity Relationship Diagram Rectangles represents

Options are:

A.) Tables

B.) Attributes

C.) Database

D.) Entity Sets

Answer: D

9.) Which of the following is not a Storage Manager Component?

Options are:

A.) Transaction Manager

B.) Logical Manager

C.) File Manager

D.) Buffer Manager

Answer: B

10.) Data Manipulation Language enables users to

Options are:

- A.) Retrieval of information stored in database
- B.) Insertion of new information into the database
- C.) Deletion of information from the database
- D.) All the options are correct

Answer: D

11.) Which of the following is not an Schema?

Options are:

- A.) Logical Schema
- B.) Physical Schema
- C.) Database Schema
- D.) Critical Schema

Answer: D

12.) Which of the following is Database Language?

Options are:

- A.) Data Definition Language
- B.) Data Manipulation Language
- C.) Data Query Language
- D.) All of the options

Answer: D

13.) Which of the following is not a function of DBA?

Options are:

- A.) Network Maintenance
- B.) Schema Definition
- C.) Authorization for data access
- D.) Routine Maintenance

Answer: A

14.) Which of the following is a Data Model?

Options are:

- A.) Entity Relationship Model
- B.) Object Based Data Model
- C.) All of the options are correct
- D.) Relational Data Model

Answer: C

15.) A Database Management System (DBMS) is

Options are:

- A.) Collection of interrelated data
- B.) Collection of data describing one particular enterprise
- C.) All of the options
- D.) Collection of programs to access data

Answer: C

16.) Which of the following is not a level of data abstraction?

Options are:

- A.) Physical Level
- B.) View Level
- C.) Critical Level
- D.) Logical Level

Answer: C

17.) Disadvantages of File systems to store data is:

Options are:

- A.) Data redundancy and inconsistency
- B.) Data isolation
- C.) All of the options
- D.) Difficulty in accessing data

Answer: C

18.) Which of the following is not a Storage Manager Component?

Options are:

- A.) Transaction Manager
- B.) Buffer Manager
- C.) File Manager
- D.) Logical Manager

Answer: D

19.) Data Manipulation Language enables users to

Options are:

- A.) Retrieval of information stored in database
- B.) Deletion of information from the database
- C.) All of the above
- D.) Insertion of new information into the database

Answer: C

20.) Which of the following is not an Schema?

Options are:

- A.) Logical Schema
- B.) Critical Schema
- C.) Database Schema
- D.) Physical Schema

Answer: B

21.) Which of the following is Database Language?

Options are:

- A.) All of the options
- B.) Query Language
- C.) Data Definition Language
- D.) Data Manipulation Language

Answer: A

22.) Which of the following is not a function of DBA?

Options are:

- A.) Authorization for data access
- B.) Network Maintenance
- C.) Routine Maintenance
- D.) Schema Definition

Answer: B

23.) Which of the following is a Data Model?

Options are:

- A.) Object-Based data model
- B.) All of the options
- C.) Entity-Relationship model
- D.) Relational data model

Answer: B

24.) Column header is referred as

Options are:

- A.) Table
- B.) Domain
- C.) Attributes
- D.) Relation

Answer: C

25.) _____ allow us to identify uniquely a tuple in the relation.

Options are:

- A.) Schema
- B.) Superkey
- C.) Domain
- D.) Attribute

Answer: B

26.) Minimal Superkeys are called

Options are:

- A.) Schema keys
- B.) Attribute keys
- C.) Candidate keys
- D.) Domain keys

Answer: C

27.) Which of the following is not Modification of the Database

Options are:

- A.) Updating
- B.) Sorting
- C.) Deletion
- D.) Insertion

Answer: B

28.) Which of the following is not Outer join?

Options are:

- A.) Left outer join
- B.) Full outer join
- C.) All of the options
- D.) Right outer join

Answer: C

29.) Set of premitted values of each attribute is called

Options are:

- A.) Tuple
- B.) Schema
- C.) Domain
- D.) Relation

Answer: C

30.) Which of the following is true regarding Null Value?

Options are:

- A.) Null<0
- B.) Null=0
- C.) Null<>0
- D.) Null>0

Answer: C

31.) Logical design of database is called

Options are:

- A.) All of the options
- B.) Database Schema
- C.) Database Instance
- D.) Database Snapshot

Answer: B

32.) Snapshot of the data in the database at a given instant of time is called

Options are:

- A.) Database Instance
- B.) All of the options
- C.) Database Schema
- D.) Database Snapshot

Answer: A

33.) Which of the following is not Unary operation?

Options are:

- A.) Rename
- B.) Union
- C.) Select
- D.) Project

Answer: B

34.) Which of the following is not binary operation?

Options are:

- A.) Union
- B.) Set Difference
- C.) Cartesian Product
- D.) Project

Answer: D

35.) Which of the following is correct regarding Aggregate functions?

Options are:

- A.) It takes a single value and returns a single value as result
- B.) It takes a list of values and return a single values as result
- C.) It takes a list of values and return a list of values as result
- D.) It takes a single value and returns a list of values as result

Answer: B

36.) The Primary key must be

Options are:

- A.) Non Null
- B.) Unique
- C.) Option A or B
- D.) Option A and B

Answer: D

37.) A command to remove a relation from an SQL database

Options are:

- A.) Delete table
- B.) Erase table
- C.) Alter table
- D.) Drop table

Answer: D

38.) which of the following is not an Aggregate function?

Options are:

- A.) Select
- B.) Avg
- C.) Min
- D.) Max

Answer: A

39.) The attribute that can be divided into other attributes is called

Options are:

- A.) Composite Attribute
- B.) Derived Attribute
- C.) Simple Attribute
- D.) Multi-valued Attribute

Answer: A

40.) What is ACID properties of Transactions?

Options are:

- A.) Atomicity, Consistency, Isolation, Database
- B.) Automatically, Concurrency, Isolation, Durability
- C.) Atomicity, Consistency, Isolation, Durability
- D.) Atomicity, Consistency, Inconsistent, Durability

Answer: C

41.) If every non-key attribute is functionally dependent on the primary key, the relation will be in

Options are:

- A.) Fourth Normal Form
- B.) Third Normal Form
- C.) First Normal Form
- D.) Second Normal Form

Answer: B

42.) Database locking concept is used to solve the problem of

Options are:

- A.) Inconsistent Data
- B.) All of the options
- C.) Lost Update
- D.) Uncommitted Dependency

Answer: B

43.) UML is stands for

Options are:

- A.) Universal Modeling Language
- B.) United Modeling Language
- C.) Uni Modeling Language
- D.) Unified Modeling Language

Answer: D

44.) Data Manipulation Language (DML) is not to

Options are:

- A.) Insertion of new information into the Database
- B.) Modification of information in the Database
- C.) Create information table in the Database
- D.) Deletion of information in the Database

Answer: C

45.) Which of the following is true regarding Referential Integrity?

Options are:

- A.) Every primary-key value must match a primary-key value in an associated table
- B.) Every primary-key value must match a foreign-key value in an associated table
- C.) Every foreign-key value must match a foreign-key value in an associated table
- D.) Every foreign-key value must match a primary-key value in an

associated table

Answer: D

46.) Which of the following option is use to retrieval of data?

Options are:

- A.) Stack
- B.) Data Structure
- C.) Linked list
- D.) Query

Answer: D

47.) ODBC stands for _____

Options are:

- A.) None of above
- B.) Open database connection
- C.) Offline database connection
- D.) Oriented database connection

Answer: B

48.) Which of the following is an unary operation?

Options are:

- A.) Selection operation
- B.) Primitive operation
- C.) Projection operation
- D.) Generalized selection

Answer: D

49.) Which SQL Query is use to remove a table and all its data from the database?

Options are:

- A.) None of these
- B.) Drop Table
- C.) Create Table

D.) Alter Table

Answer: B

50.) In precedence of set operators the expression is evaluated from:

Options are:

- A.) Left to Right
- B.) Right to Left
- C.) Left to Left
- D.) Right to Right

Answer: A

51.) In DBMS, FD stands for _____

Options are:

- A.) Facilitate data
- B.) Functional data
- C.) Facilitate dependency
- D.) Functional dependency

Answer: D

52.) How many types of keys in Database Design?

Options are:

- A.) Foreign key
- B.) All of the options
- C.) Candidate key
- D.) Primary key

Answer: B

53.) Which of the following is based on Multi Valued Dependency?

Options are:

- A.) Third
- B.) Fourth
- C.) First
- D.) Second

Answer: B

54.) Which of the following is the structure of the Database?

Options are:

- A.) Table
- B.) None of these
- C.) Schema
- D.) Relation

Answer: C

55.) The minimal set of super key is called

Options are:

- A.) Primary key
- B.) Secondary key
- C.) Foreign key
- D.) Candidate key

Answer: D

56.) _____ is a classical approach to database design?

Options are:

- A.) Bottom – Up approach
- B.) Top – Down approach
- C.) Left – Right approach
- D.) Right – Left approach

Answer: B

57.) _____ refers to the correctness and completeness of the data in a database?

Options are:

- A.) Data independence
- B.) Data integrity
- C.) Data security

D.) Data constraint

Answer: B

58.) A table that displays data redundancies yields _____ anomalies

Options are:

A.) Insertion

B.) Deletion

C.) Update

D.) All of the options

Answer: D

59.) A lock that allows concurrent transactions to access different rows of the same table is known as a

Options are:

A.) Row-level lock

B.) Database-level lock

C.) Field-level lock

D.) Table-level lock

Answer: C

60.) A type of query that is placed within a WHERE or HAVING clause of another query is called

Options are:

A.) Multi-query

B.) Sub query

C.) Super query

D.) Master query

Answer: B

61.) Which of the following hardware component is the most important to the operation of database management system?

Options are:

- A.) High resolution video display
- B.) Printer
- C.) Plotter
- D.) High speed, large capacity disk

Answer: D

62.) A form defined

Options are:

- A.) None of the options
- B.) Where data is placed on the screen
- C.) The width of each field
- D.) Both where data is placed on the screen and the width of each field

Answer: B

63.) If a piece of data is stored in two places in the database, then

Options are:

- A.) It can be more easily accessed
- B.) Both Storage space is wasted and Changing the data in one spot will cause data inconsistency
- C.) Storage space is wasted
- D.) Changing the data in one spot will cause data inconsistency

Answer: B

64.) Which of the following is a problem of file management system?

Options are:

- A.) Data redundancy and program dependence
- B.) All of the options
- C.) Difficult to update
- D.) Lack of data independence

Answer: B

65.) Which of the following is not an advantage of the database

approach

Options are:

- A.) Elimination of data redundancy
- B.) Ability of associate deleted data
- C.) Increased security and program/data independence
- D.) all of the above

Answer: D

66.) An audit trail

Options are:

- A.) None of the options
- B.) Is the recorded history of operations performed on a file
- C.) Is used to make backup copies
- D.) Can be used to restore lost information

Answer: B

67.) One approach to standardization storing of data?

Options are:

- A.) CODASYL specification
- B.) None of the options
- C.) MIS
- D.) Structured programming

Answer: A

68.) Which of the following contains a complete record of all activity that affected the contents of a database during a certain period of time?

Options are:

- A.) Transaction log
- B.) Data manipulation language
- C.) Report writer
- D.) Query language

Answer: A

69.) Report generators are used to

Options are:

- A.) Store data input by a user
- B.) Answer queries
- C.) Both Retrieve information from files and Answer queries
- D.) Retrieve information from files

Answer: C

70.) Which of the following is true of a network structure?

Options are:

- A.) It will be dominant data base of the future
- B.) It allows a many-to-many relationship
- C.) It is a physical representation of the data
- D.) It is conceptually simple

Answer: B

71.) A record management system

Options are:

- A.) Can handle many files of information at a time
- B.) Always uses a list as its model
- C.) Both can handle many files of information at a time and always uses a list as its model
- D.) Can be used to extract information stored in a computer file

Answer: D

72.) One data dictionary software package is called

Options are:

- A.) DB/DC dictionary
- B.) Datapac
- C.) TOTAL
- D.) ACCESS

Answer: A

73.) The function of a database is ...

Options are:

- A.) To check all input data
- B.) To output data
- C.) To collect and organize input data
- D.) To check all spelling

Answer: C

74.) A command that lets you change one or more fields in a record is

Options are:

- A.) None of the options
- B.) Modify
- C.) Insert
- D.) Lookup

Answer: B

75.) What is the language used by most of the DBMSs for helping their users to access data?

Options are:

- A.) High level language
- B.) 4GL
- C.) Query Language
- D.) SQL

Answer: C

76.) Information can be transferred between the DBMS and a

Options are:

- A.) Spreadsheet program
- B.) Word processor program
- C.) Graphics program
- D.) All of the options

Answer: D

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

Options are:

- A.) Users
- B.) Database
- C.) Query languages
- D.) Separate files

Answer: D

78.) The ascending order of a data hierarchy is:

Options are:

- A.) Bit-byte-file-record-field-database
- B.) Bit-byte-field-record-file-database
- C.) Bit-byte-record-field-file-database
- D.) Byte-bit-field-record-file-database

Answer: B

79.) Primitive operations common to all record management system include

Options are:

- A.) Look-up
- B.) All of the options
- C.) Print
- D.) Sort

Answer: A

80.) Generalized database management system do not retrieve data to meet routine request

Options are:

- A.) False
- B.) True

Answer: A

81.) Which of the following is not a relational database?

Options are:

- A.) dBase IV
- B.) FoxPro
- C.) Reflex
- D.) 4th Dimension

Answer: C

82.) A top-to-bottom relationship among the items in a database is established by a

Options are:

- A.) Hierarchical schema
- B.) All of the options
- C.) Network schema
- D.) Relational schema

Answer: A

83.) In order to use a record management system

Options are:

- A.) You need to understand the model the record management system uses
- B.) None of the options
- C.) You need to understand the low level details of how information is stored
- D.) Both you need to understand the model the record management system uses and you need to understand the low level details of how information is stored

Answer: A

84.) Choose the RDBMS which supports full fledged client server application development

Options are:

- A.) dBase V

- B.) Ingress
- C.) Oracle 7.1
- D.) FoxPro 2.1

Answer: C

85.) Sort/Report generators

Options are:

- A.) Are faster than index/report generators
- B.) Do not need to sort before generating report
- C.) Both require more disk space than indexed/report generators and are faster than index/report generators
- D.) Require more disk space than indexed/report generators

Answer: D

86.) The highest level in the hierarchy of data organization is called

Options are:

- A.) Data base
- B.) Data record
- C.) Data bank
- D.) Data file

Answer: A

87.) Which of the following fields in a student file can be used as a primary key?

Options are:

- A.) Class
- B.) GPA
- C.) Major

Answer: D

88.) The management information system (MIS) structure with one main computer system is called a

Options are:

- A.) Decentralized MIS structure
- B.) Centralized MIS structure
- C.) Hierarchical MIS structure
- D.) Distributed MIS structure

Answer: B

89.) In the DBMS approach, application programs perform the

Options are:

- A.) Storage function
- B.) Access control
- C.) All of the options
- D.) Processing functions

Answer: D

90.) Which of the following is not true of the traditional approach to information processing

Options are:

- A.) It is file oriented
- B.) It is inflexible
- C.) There is common sharing of data among the various applications
- D.) Programs are dependent on the file

Answer: C

91.) Batch processing is appropriate if

Options are:

- A.) Only a few transactions are involved
- B.) None of the options
- C.) Large computer system is available
- D.) Only a small computer system is available

Answer: B

92.) Large collection of files are called

Options are:

- A.) Sectors
- B.) Database
- C.) Fields
- D.) Records

Answer: B

93.) A transparent DBMS

Options are:

- A.) Both can not hide sensitive information from users and keeps its logical structure hidden from users
- B.) Keeps its physical structure hidden from users
- C.) Can not hide sensitive information from users
- D.) Keeps its logical structure hidden from users

Answer: B

94.) A file produced by a spreadsheet

Options are:

- A.) None of the options
- B.) Is generally stored on disk in an ASCII text format
- C.) Can be used as is by the DBMS
- D.) Both is generally stored on disk in an ASCII text format and can be used as is by the DBMS

Answer: B

95.) The model for a record management system might be

Options are:

- A.) All of the options
- B.) A business form
- C.) Handwritten list
- D.) A Rolodex card file

Answer: A

96.) Database management systems are intended to

Options are:

- A.) Eliminate data redundancy
- B.) Establish relationship among records in different files
- C.) Manage file access and maintain data integrity
- D.) All of the options

Answer: D

97.) The language used application programs to request data from the DBMS is referred to as the

Options are:

- A.) DDL
- B.) All of the options
- C.) DML
- D.) query language

Answer: C

98.) A set of programs that handle a firm's database responsibilities is called

Options are:

- A.) Database management system (DBMS)
- B.) Data management system (DMS)
- C.) All of the options
- D.) Database processing system (DBPS)

Answer: C

99.) In a large DBMS

Options are:

- A.) Each subschema contains every field in the logical schema
- B.) Each user can access every subschema
- C.) None of the options
- D.) Each user can "see" only a small part of the entire database

Answer: D

100.) In a large DBMS

Options are:

A.) None of the options

B.) Each user can "see" only a small part of the entire database

C.) Each subschema contains every field in the logical schema

D.) Each user can access every subschema

Answer: B

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