

Multiple Choice Q&A

1. What type of system primarily focuses on the historical perspective in database applications?
 - a) Database System Applications
 - b) File Systems versus a DBMS
 - c) The Data Model
 - d) Levels of Abstraction in a DBMS

Answer: b) File Systems versus a DBMS

2. In the comparison between file systems and DBMS, which system emphasizes structured data management?
 - a) File Systems
 - b) DBMS
 - c) The Data Model
 - d) Levels of Abstraction in a DBMS

Answer: b) DBMS

3. Which aspect primarily concerns the organization and management of data in databases?
 - a) Storage capacity
 - b) Data retrieval speed
 - c) Data organization and management
 - d) Hardware requirements

Answer: c) Data organization and management

4. What does the data model primarily represent in database systems?
 - a) A physical storage structure
 - b) A way to access files

- c) A representation of data and relationships
- d) A set of database operations

Answer: c) A representation of data and relationships

5. Which level of abstraction in a DBMS deals with the logical representation of data?

- a) Physical level
- b) Logical level
- c) External level
- d) Conceptual level

Answer: b) Logical level

6. What does data independence primarily refer to in database systems?

- a) Data that is not stored
- b) The separation of data from structure
- c) Data that is not subject to change
- d) Data that is freely available

Answer: b) The separation of data from structure

7. Which component provides an overview of the structure of a DBMS?

- a) Data Model
- b) File Systems
- c) Levels of Abstraction
- d) Structure of a DBMS

Answer: d) Structure of a DBMS

8. What is the primary purpose of an ER diagram in database design?

- a) To specify data types
- b) To define relationships between entities

- c) To indicate physical storage details
- d) To organize entities into sets

Answer: b) To define relationships between entities

9. In ER modeling, what do entities represent?

- a) Data types
- b) Storage locations
- c) Real-world objects
- d) Hardware components

Answer: c) Real-world objects

10. Which term describes the association between two entities in an ER diagram?

- a) Attribute
- b) Entity
- c) Relationship
- d) Schema

Answer: c) Relationship

11. What is the main advantage of using a DBMS compared to traditional file systems?

- a) Faster data retrieval
- b) Simplified data organization
- c) Lower hardware requirements
- d) Reduced data security

Answer: b) Simplified data organization

12. What term refers to the separation of data from the applications that use the data?

- a) Data Modeling
- b) Data Abstraction

- c) Data Independence
- d) Data Security

Answer: c) Data Independence

13. What is the primary purpose of the "Structure of a DBMS" component?

- a) To explain database design principles
- b) To compare different DBMS architectures
- c) To provide an overview of database system components
- d) To discuss data modeling techniques

Answer: c) To provide an overview of database system components

14. In an ER diagram, what does a diamond shape represent?

- a) Entity
- b) Attribute
- c) Relationship
- d) Key constraint

Answer: c) Relationship

15. Which of the following is NOT typically considered an entity in a database?

- a) Employee
- b) Customer
- c) Postal Code
- d) Order

Answer: c) Postal Code

16. What is the purpose of a primary key in a database table?

- a) It ensures that all data is stored in the database
- b) It establishes relationships between tables

- c) It provides a physical storage layout for data
- d) It defines the data type for a column

Answer: a) It ensures that all data is stored in the database

17. In the Entity-Relationship (ER) model, what does an entity set represent?

- a) A set of attributes
- b) A collection of entities
- c) A subset of relationships
- d) A database table

Answer: b) A collection of entities

18. Which of the following is NOT an example of an attribute in a database?

- a) Name
- b) Age
- c) Employee
- d) Date of Birth

Answer: c) Employee

19. What is the purpose of cardinality in the context of relationship sets in a database?

- a) It defines the number of entities in a relationship
- b) It specifies the data types of attributes
- c) It determines the order of tuples in a table
- d) It represents a key constraint in a table

Answer: a) It defines the number of entities in a relationship

20. Which type of data model represents data as a collection of objects with properties and methods?

- a) Hierarchical Model
- b) Relational Model

- c) Object-Oriented Model
- d) Network Model

Answer: c) Object-Oriented Model

21. What is normalization in the context of database design?

- a) The process of reducing data redundancy
- b) The process of converting data into a specific format
- c) The process of creating relationships between tables
- d) The process of indexing data for faster retrieval

Answer: a) The process of reducing data redundancy

22. Which type of data independence deals with changes in the logical structure of the data?

- a) Logical Data Independence
- b) Physical Data Independence
- c) Structural Data Independence
- d) Conceptual Data Independence

Answer: a) Logical Data Independence

23. What is the purpose of a foreign key in a database table?

- a) It ensures that all data is stored in the database
- b) It establishes relationships between tables
- c) It defines the data type for a column
- d) It specifies the primary key of a table

Answer: b) It establishes relationships between tables

24. Which level of abstraction in a DBMS deals with the physical storage details of data?

- a) Physical level
- b) Logical level

- c) External level
- d) Conceptual level

Answer: a) Physical level

25. In a relational database, what is a tuple?

- a) A table
- b) A row
- c) An attribute
- d) A database

Answer: b) A row

26. What is the primary purpose of indexing in a database?

- a) To create relationships between tables
- b) To define data types for attributes
- c) To ensure data uniqueness
- d) To optimize data retrieval

Answer: d) To optimize data retrieval

27. Which data model represents data as a collection of nodes connected by edges?

- a) Hierarchical Model
- b) Relational Model
- c) Network Model
- d) Object-Oriented Model

Answer: c) Network Model

28. What is a database schema?

- a) A table
- b) A row

- c) A column
- d) A database structure definition

Answer: d) A database structure definition

29. What is the purpose of an ER diagram's cardinality notation?

- a) To specify the data types of attributes
- b) To define the number of entities in a relationship
- c) To indicate the physical storage details
- d) To create relationships between entities

Answer: b) To define the number of entities in a relationship

30. What is the primary goal of database normalization?

- a) To optimize data retrieval
- b) To reduce data redundancy
- c) To create relationships between tables
- d) To specify the foreign keys

Answer: b) To reduce data redundancy

31. Which type of data independence deals with changes in the physical storage structures without affecting the logical schema?

- a) Logical Data Independence
- b) Physical Data Independence
- c) Structural Data Independence
- d) Conceptual Data Independence

Answer: b) Physical Data Independence

32. What is the purpose of a foreign key constraint in a database table?

- a) It enforces data integrity
- b) It specifies the primary key of a table

- c) It defines the cardinality of a relationship
- d) It represents the physical organization of data

Answer: a) It enforces data integrity

33. Which level of abstraction in a DBMS deals with the users' view of the data?

- a) Physical level
- b) Logical level
- c) External level
- d) Conceptual level

Answer: c) External level

34. In a relational database, what is an attribute?

- a) A table
- b) A row
- c) A column
- d) A database

Answer: c) A column

35. What is the primary purpose of indexing in a database?

- a) To create relationships between tables
- b) To define data types for attributes
- c) To ensure data uniqueness
- d) To optimize data retrieval

Answer: d) To optimize data retrieval

36. Which data model represents data as a collection of nodes connected by edges?

- a) Hierarchical Model
- b) Relational Model

- c) Network Model
- d) Object-Oriented Model

Answer: c) Network Model

37. What is a database schema?

- a) A table
- b) A row
- c) A column
- d) A database structure definition

Answer: d) A database structure definition

38. What is the purpose of an ER diagram's cardinality notation?

- a) To specify the data types of attributes
- b) To define the number of entities in a relationship
- c) To indicate the physical storage details
- d) To create relationships between entities

Answer: b) To define the number of entities in a relationship

39. What is the primary goal of database normalization?

- a) To optimize data retrieval
- b) To reduce data redundancy
- c) To create relationships between tables
- d) To specify the foreign keys

Answer: b) To reduce data redundancy

40. Which type of data independence deals with changes in the physical storage structures without affecting the logical schema?

- a) Logical Data Independence
- b) Physical Data Independence

- c) Structural Data Independence
- d) Conceptual Data Independence

Answer: b) Physical Data Independence

41. What is the purpose of a foreign key constraint in a database table?

- a) It enforces data integrity
- b) It specifies the primary key of a table
- c) It defines the cardinality of a relationship
- d) It represents the physical organization of data

Answer: a) It enforces data integrity

42. Which level of abstraction in a DBMS deals with the users' view of the data?

- a) Physical level
- b) Logical level
- c) External level
- d) Conceptual level

Answer: c) External level

43. In a relational database, what is an attribute?

- a) A table
- b) A row
- c) A column
- d) A database

Answer: c) A column

44. What is the primary purpose of indexing in a database?

- a) To create relationships between tables
- b) To define data types for attributes

- c) To ensure data uniqueness
- d) To optimize data retrieval

Answer: d) To optimize data retrieval

45. Which data model represents data as a collection of nodes connected by edges?

- a) Hierarchical Model
- b) Relational Model
- c) Network Model
- d) Object-Oriented Model

Answer: c) Network Model

46. What is a database schema?

- a) A table
- b) A row
- c) A column
- d) A database structure definition

Answer: d) A database structure definition

47. What is the purpose of an ER diagram's cardinality notation?

- a) To specify the data types of attributes
- b) To define the number of entities in a relationship
- c) To indicate the physical storage details
- d) To create relationships between entities

Answer: b) To define the number of entities in a relationship

48. What is the primary goal of database normalization?

- a) To optimize data retrieval
- b) To reduce data redundancy

- c) To create relationships between tables
- d) To specify the foreign keys

Answer: b) To reduce data redundancy

49. Which type of data independence deals with changes in the physical storage structures without affecting the logical schema?

- a) Logical Data Independence
- b) Physical Data Independence
- c) Structural Data Independence
- d) Conceptual Data Independence

Answer: b) Physical Data Independence

50. What is the purpose of a foreign key constraint in a database table?

- a) It enforces data integrity
- b) It specifies the primary key of a table
- c) It defines the cardinality of a relationship
- d) It represents the physical organization of data

Answer: a) It enforces data integrity

51. What is the primary purpose of integrity constraints in the relational model?

- a) Ensure data privacy
- b) Enforce data accuracy and consistency
- c) Improve query performance
- d) Facilitate data retrieval

Answer: B) Enforce data accuracy and consistency

52. Which of the following is NOT an example of an integrity constraint?

- a) Primary key constraint
- b) Foreign key constraint

- c) Index constraint
- d) Check constraint

Answer: C) Index constraint

53. How can you enforce integrity constraints in a relational database?

- a) Use triggers and stored procedures
- b) Write custom application code
- c) Configure the database management system
- d) None of the above

Answer: C) Configure the database management system

54. Which type of integrity constraint ensures that each row in a table is uniquely identifiable?

- a) Check constraint
- b) Foreign key constraint
- c) Primary key constraint
- d) Index constraint

Answer: C) Primary key constraint

55. In the context of querying relational data, what is SQL an example of?

- a) Relational Algebra
- b) Tuple Relational Calculus
- c) Domain Relational Calculus
- d) None of the above

Answer: A) Relational Algebra

56. What is the primary goal of logical database design?

- a) Improve data security
- b) Optimize database performance

- c) Organize data in a structured way
- d) Ensure data integrity and consistency

Answer: D) Ensure data integrity and consistency

57. What is a view in a relational database?

- a) A table with data
- b) A subset of rows from a table
- c) A data dictionary
- d) A query result

Answer: B) A subset of rows from a table

58. Which SQL statement is used to destroy a table?

- a) DELETE TABLE
- b) DROP TABLE
- c) REMOVE TABLE
- d) ERASE TABLE

Answer: B) DROP TABLE

59. What is the purpose of a foreign key constraint?

- a) Ensure unique values in a column
- b) Enforce referential integrity
- c) Define a primary key
- d) Improve query performance

Answer: B) Enforce referential integrity

60. A connection between tables

- a) A set of related attributes
- b) A data structure

- c) A database schema
- d) None of the above

Answer: A) A set of related attributes

61. In the context of logical database design, what is normalization?

- a) Storing data redundantly
- b) Organizing data into tables
- c) Reducing data redundancy
- d) None of the above

Answer: C) Reducing data redundancy

62. What is the primary purpose of the Relational Algebra?

- a) Retrieve specific data
- b) Define data relationships
- c) Express logical conditions
- d) None of the above

Answer: B) Define data relationships

63. What type of constraint ensures that values in a column meet specific criteria?

- a) Check constraint
- b) Foreign key constraint
- c) Primary key constraint
- d) Index constraint

Answer: A) Check constraint

64. In the relational model, what is a view?

- a) A physical data structure
- b) A subset of rows from a table

- c) A primary key constraint
- d) A data dictionary

Answer: B) A subset of rows from a table

65. Which SQL statement is used to modify an existing table's structure by adding or deleting columns?

- a) ALTER TABLE ADD/DROP COLUMN
- b) MODIFY TABLE
- c) CHANGE TABLE
- d) UPDATE TABLE

Answer: A) ALTER TABLE ADD/DROP COLUMN

66. What is the primary purpose of a check constraint in a relational database?

- a) Ensure data uniqueness
- b) Enforce data validation rules
- c) Create an index on a column
- d) Define primary keys

Answer: B) Enforce data validation rules

67. What is the primary goal of enforcing integrity constraints in a database?

- a) Improve data security
- b) Optimize query performance
- c) Ensure data accuracy and consistency
- d) Facilitate data retrieval

Answer: C) Ensure data accuracy and consistency

68. Which type of integrity constraint ensures that each row in a table is uniquely identifiable?

- a) Check constraint
- b) Foreign key constraint

- c) Primary key constraint
- d) Index constraint

Answer: C) Primary key constraint

69. What is the primary goal of logical database design?

- a) Improve data security
- b) Optimize database performance
- c) Organize data in a structured way
- d) Ensure data integrity and consistency

Answer: D) Ensure data integrity and consistency

70. What is the purpose of a foreign key constraint?

- a) Ensure data uniqueness
- b) Enforce referential integrity
- c) Define a primary key
- d) Improve query performance

Answer: B) Enforce referential integrity

71. A connection between tables:

- a) A set of related attributes
- b) A data structure
- c) A database schema
- d) None of the above

Answer: A) A set of related attributes

72. In the context of logical database design, what is normalization?

- a) Storing data redundantly
- b) Organizing data into tables

- c) Reducing data redundancy
- d) None of the above

Answer: C) Reducing data redundancy

73. What is the primary purpose of the Relational Algebra?

- a) Retrieve specific data
- b) Define data relationships
- c) Express logical conditions
- d) None of the above

Answer: B) Define data relationships

74. What type of constraint ensures that values in a column meet specific criteria?

- a) Check constraint
- b) Foreign key constraint
- c) Primary key constraint
- d) Index constraint

Answer: A) Check constraint

75. In the relational model, what is a view?

- a) A physical data structure
- b) A subset of rows from a table
- c) A primary key constraint
- d) A data dictionary

Answer: B) A subset of rows from a table

76. Which SQL statement is used to modify an existing table's structure by adding or deleting columns?

- a) ALTER TABLE ADD/DROP COLUMN
- b) MODIFY TABLE

c) CHANGE TABLE

d) UPDATE TABLE

Answer: A) ALTER TABLE ADD/DROP COLUMN

77. What is the primary purpose of a check constraint in a relational database?

a) Ensure data uniqueness

b) Enforce data validation rules

c) Create an index on a column

d) Define primary keys

Answer: B) Enforce data validation rules

78. What is the primary goal of enforcing integrity constraints in a database?

a) Improve data security

b) Optimize query performance

c) Ensure data accuracy and consistency

d) Facilitate data retrieval

Answer: C) Ensure data accuracy and consistency

79. Which SQL statement is used to destroy a table?

a) DELETE TABLE

b) DROP TABLE

c) REMOVE TABLE

d) ERASE TABLE

Answer: B) DROP TABLE

80. What is the purpose of a foreign key constraint?

a) Ensure data uniqueness

b) Enforce referential integrity

- c) Define a primary key
- d) Improve query performance

Answer: B) Enforce referential integrity

81. A connection between tables

- a) A set of related attributes
- b) A data structure
- c) A database schema
- d) None of the above

Answer: A) A set of related attributes

82. In the context of logical database design, what is normalization?

- a) Storing data redundantly
- b) Organizing data into tables
- c) Reducing data redundancy
- d) None of the above

Answer: C) Reducing data redundancy

83. What is the primary purpose of the Relational Algebra?

- a) Retrieve specific data
- b) Define data relationships
- c) Express logical conditions
- d) None of the above

Answer: B) Define data relationships

84. What type of constraint ensures that values in a column meet specific criteria?

- a) Check constraint
- b) Foreign key constraint

- c) Primary key constraint
- d) Index constraint

Answer: A) Check constraint

85. In the relational model, what is a view?

- a) A physical data structure
- b) A subset of rows from a table
- c) A primary key constraint
- d) A data dictionary

Answer: B) A subset of rows from a table

86. Which SQL statement is used to modify an existing table's structure by adding or deleting columns?

- a) ALTER TABLE ADD/DROP COLUMN
- b) MODIFY TABLE
- c) CHANGE TABLE
- d) UPDATE TABLE

Answer: A) ALTER TABLE ADD/DROP COLUMN

87. What is the primary purpose of a check constraint in a relational database?

- a) Ensure data uniqueness
- b) Enforce data validation rules
- c) Create an index on a column
- d) Define primary keys

Answer: B) Enforce data validation rules

88. What is the primary goal of enforcing integrity constraints in a database?

- a) Improve data security
- b) Optimize query performance

- c) Ensure data accuracy and consistency
- d) Facilitate data retrieval

Answer: C) Ensure data accuracy and consistency

89. Which type of integrity constraint ensures that each row in a table is uniquely identifiable?

- a) Check constraint
- b) Foreign key constraint
- c) Primary key constraint
- d) Index constraint

Answer: C) Primary key constraint

90. What is the primary goal of logical database design?

- a) Improve data security
- b) Optimize database performance
- c) Organize data in a structured way
- d) Ensure data integrity and consistency

Answer: D) Ensure data integrity and consistency

91. What is the purpose of a foreign key constraint?

- a) Ensure data uniqueness
- b) Enforce referential integrity
- c) Define a primary key
- d) Improve query performance

Answer: B) Enforce referential integrity

92. A connection between tables

- a) A set of related attributes
- b) A data structure

- c) A database schema
- d) None of the above

Answer: A) A set of related attributes

93. In the context of logical database design, what is normalization?

- a) Storing data redundantly
- b) Organizing data into tables
- c) Reducing data redundancy
- d) None of the above

Answer: C) Reducing data redundancy

94. What is the primary purpose of the Relational Algebra?

- a) Retrieve specific data
- b) Define data relationships
- c) Express logical conditions
- d) None of the above

Answer: B) Define data relationships

95. What type of constraint ensures that values in a column meet specific criteria?

- a) Check constraint
- b) Foreign key constraint
- c) Primary key constraint
- d) Index constraint

Answer: A) Check constraint

96. In the relational model, what is a view?

- a) A physical data structure
- b) A subset of rows from a table

- c) A primary key constraint
- d) A data dictionary

Answer: B) A subset of rows from a table

97. Which SQL statement is used to modify an existing table's structure by adding or deleting columns?

- a) ALTER TABLE ADD/DROP COLUMN
- b) MODIFY TABLE
- c) CHANGE TABLE
- d) UPDATE TABLE

Answer: A) ALTER TABLE ADD/DROP COLUMN

98. What is the primary purpose of a check constraint in a relational database?

- a) Ensure data uniqueness
- b) Enforce data validation rules
- c) Create an index on a column
- d) Define primary keys

Answer: B) Enforce data validation rules

99. What is the primary goal of enforcing integrity constraints in a database?

- a) Improve data security
- b) Optimize query performance
- c) Ensure data accuracy and consistency
- d) Facilitate data retrieval

Answer: C) Ensure data accuracy and consistency

100. Which SQL statement is used to destroy a table?

- a) DELETE TABLE
- b) DROP TABLE

- c) REMOVE TABLE
- d) ERASE TABLE

Answer: B) DROP TABLE

101. What does SQL stand for?

- a) Structured Query Language
- b) Simple Table Query Language
- c) Systematic Query Language
- d) None of the above

Answer: A) Structured Query Language

102. Which SQL clause is used to filter rows based on a specified condition?

- a) SELECT
- b) WHERE
- c) FROM
- d) ORDER BY

Answer: B) WHERE

103. What is the result of combining two result sets using the UNION operator in SQL?

- a) All unique rows from both result sets
- b) Only common rows between both result sets
- c) All rows from both result sets, including duplicates
- d) None of the above

Answer: A) All unique rows from both result sets

104. Which SQL operator is used to retrieve all rows that appear in both result sets?

- a) UNION
- b) INTERSECT

- c) EXCEPT
- d) JOIN

Answer: B) INTERSECT

105. What is a nested SQL query?

- a) A query that retrieves data from multiple tables
- b) A query that contains subqueries within the main query
- c) A query that joins two or more tables
- d) A query that selects specific columns from a table

Answer: B) A query that contains subqueries within the main query

106. What is the purpose of SQL aggregation operators like COUNT, SUM, AVG, and MAX?

- a) To filter rows in a table
- b) To perform mathematical calculations on data
- c) To join multiple tables
- d) To sort data in ascending order

Answer: B) To perform mathematical calculations on data

107. In SQL, what does the term "NULL" represent?

- a) A value of zero
- b) An empty string
- c) Missing or unknown data
- d) A placeholder for a future value

Answer: C) Missing or unknown data

108. What are complex integrity constraints in SQL?

- a) Constraints involving primary keys
- b) Constraints involving foreign keys

- c) Constraints that combine multiple conditions
- d) Constraints that enforce data privacy

Answer: C) Constraints that combine multiple conditions

109. What is a SQL trigger?

- a) A database table
- b) A software tool for debugging
- c) A stored procedure that automatically executes in response to a specific event
- d) A type of SQL query

Answer: C) A stored procedure that automatically executes in response to a specific event

110. Which SQL statement is used to add a new row to a table?

- a) INSERT INTO
- b) UPDATE
- c) DELETE
- d) SELECT

Answer: A) INSERT INTO

111. What is the purpose of a primary key constraint in SQL?

- a) To ensure data uniqueness in a column
- b) To enforce referential integrity
- c) To define a foreign key
- d) To optimize query performance

Answer: A) To ensure data uniqueness in a column

112. Which SQL clause is used to sort the result set in descending order?

- a) DESCENDING
- b) SORT

- c) ASC
- d) ORDER BY

Answer: A) DESCENDING

113. What is the purpose of the SQL GROUP BY clause?

- a) To filter rows in a table
- b) To perform mathematical calculations on data
- c) To group rows with the same values into summary rows
- d) To join multiple tables

Answer: C) To group rows with the same values into summary rows

114. Which SQL statement is used to change existing data in a table?

- a) INSERT INTO
- b) UPDATE
- c) DELETE
- d) SELECT

Answer: B) UPDATE

115. What is the primary role of SQL views?

- a) To store data permanently
- b) To simplify complex queries
- c) To enforce data constraints
- d) To define primary keys

Answer: B) To simplify complex queries

116. What SQL operator is used to retrieve rows based on a pattern match?

- a) LIKE
- b) BETWEEN

- c) IN
- d) JOIN

Answer: A) LIKE

117. What is the purpose of a foreign key constraint in SQL?

- a) To ensure data uniqueness
- b) To enforce referential integrity
- c) To define a primary key
- d) To improve query performance

Answer: B) To enforce referential integrity

118. What is the primary goal of enforcing integrity constraints in a database?

- a) To improve data security
- b) To optimize query performance
- c) To ensure data accuracy and consistency
- d) To facilitate data retrieval

Answer: C) To ensure data accuracy and consistency

119. What SQL statement is used to destroy a database table?

- a) DELETE TABLE
- b) DROP TABLE
- c) REMOVE TABLE
- d) ERASE TABLE

Answer: B) DROP TABLE

120. In SQL, what is the purpose of the DISTINCT keyword in a SELECT statement?

- a) To filter rows based on a condition
- b) To perform mathematical calculations on data

- c) To eliminate duplicate rows from the result set
- d) To join multiple tables

Answer: C) To eliminate duplicate rows from the result set

121. What is the purpose of the SQL HAVING clause?

- a) To filter rows in a table
- b) To perform mathematical calculations on data
- c) To filter groups in the result set based on a condition
- d) To sort data in descending order

Answer: C) To filter groups in the result set based on a condition

122. Which SQL statement is used to destroy a view?

- a) DELETE VIEW
- b) DROP VIEW
- c) REMOVE VIEW
- d) ERASE VIEW

Answer: B) DROP VIEW

123. In SQL, what is a subquery?

- a) A query that retrieves all columns from a table
- b) A query that joins multiple tables
- c) A query embedded within another query
- d) A query that uses the UNION operator

Answer: C) A query embedded within another query

124. What is the purpose of the SQL ORDER BY clause?

- a) To filter rows in a table
- b) To perform mathematical calculations on data

- c) To sort the result set based on specified columns
- d) To group rows in the result set

Answer: C) To sort the result set based on specified columns

125. What is the primary purpose of SQL constraints?

- a) To add new rows to a table
- b) To define the database schema
- c) To enforce data integrity rules
- d) To perform complex calculations

Answer: C) To enforce data integrity rules