

DATABASE DESIGN AND APPLICATIONS

1. Indexes are used to ____ the database.
 - a. increase the efficiency of retrievals from
 - b. none of the answers
 - c. provide additional queries to
 - d. generate additional views to

Competency: Data Definitions/Functions

Task: Demonstrate correct use of database terminology.

2. Which one of the following is **not** a standard data type used in SQL?
 - a. char
 - b. varchar
 - c. text
 - d. integer

Competency: Data Definitions/Functions

Task: Define and modify field names and data types.

3. Which one of the following is the correct SQL clause to restrict the results of a SELECT query to only records that have a value in the range of 10 to 50 in the Hours column?
 - a. WHERE Hours BETWEEN 10 AND 50
 - b. WHERE Hours = MIN(10) and MAX(50)
 - c. WHERE Hours IN [10, 50]
 - d. WHERE Hours = 10 and Hours = 50

Competency: Query Development

Task: Search, sort, index, merge, and manipulate database for specific information.

4. Given a condition: WHERE SALES.RepNo = CUST.RepNo AND Balance > 400
If no Balance is greater than 400, then:
 - a. some records may be returned
 - b. only the first record in the table is returned
 - c. some records definitely will be returned
 - d. no records will be returned

Competency: Query Development

Task: Design and create action queries (make-table, update, append, and delete).

5. When you use a name containing a space in Access SQL, you must:
 - a. precede it by an asterisk
 - b. enclose it in quotation marks
 - c. enclose it in square brackets
 - d. precede it by a question mark

Competency: Query Development

Task: Verify accuracy of output.

6. Relational databases reduce the likelihood of which one of the following?
- data mistakes
 - data loss
 - data redundancy
 - data patches

Competency: Table Relationships--Include Referential Integrity

Task: Define and create table relationships.

7. The referential integrity rule requires that:
- every non-null foreign key value reference an existing primary key value
 - you delete a row in one table whose primary key does not have a matching foreign key value in another table
 - an attribute have a corresponding value
 - every null foreign key value must reference an existing primary key value

Competency: Table Relationships--Include Referential Integrity

Task: Enforce referential integrity.

8. _____ is not a method for creating a report.
- The Report Wizard
 - Design view
 - Layout view
 - AutoReport

Competency: Reports and Forms--Sort, Group, Insert Graphics, Headers, Calculation

Task: Design, create, save, and modify reports for data output.

9. To add totals or other statistics to a footer, one must add a _____ that will contain a formula.
- collection
 - query
 - text box
 - sub report

Competency: Reports and Forms--Sort, Group, Insert Graphics, Headers, Calculation

Task: Use report sections.

10. When creating a form using AutoForm, you choose the _____ of the form.
- all the answers are correct
 - name
 - fields
 - format

Competency: Form Development

Task: Design, create, and modify basic forms in database.

Database Design and Applications Answer Key

1. A
2. C
3. A
4. D
5. C
6. C
7. A
8. C
9. C
10. D

© Copyright of Future Business Leaders of America – Phi Beta Lambda (FBLA-PBL) – This document is property of Future Business Leaders of America – Phi Beta Lambda (FBLA-PBL) and its contents may not be copied or emailed to multiple sites or posted to a listserve without the copyright holder’s express written permission. However, users may print, download, or email articles for individual use.

A full version of this document can be purchased at <http://www.fblamarketplace.com/> under the competitive events section.