

BUAN

Take

Remaining Time: 1 hour, 57 minutes, 31 seconds.

Question Completion Status:

Take Test: Homework1

Test Information

Description

Instructions

Timed Test	This test has a time limit of 2 hours. This test will save and submit automatically when the time expires. Warnings appear when half the time, 5 minutes, 1 minute, and 30 seconds remain.
Multiple Attempts	Not allowed. This test can only be taken once.
Force Completion	This test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test. Your answers are saved automatically.

QUESTION 1

1 points

Saved

In the context of database design, what does "physical data independence" mean?

- ☐ a. The ability to modify the logical schema without changing the physical schema.
- ☒ b. The ability to modify the physical schema without changing the logical schema.
- ☐ c. The ability to enforce integrity constraints.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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- ☐ b. A system that relies on object-oriented data models.
- ☐ c. A system that uses a network model for data organization.
- ☒ d. A system where programs define and manage their own data.

QUESTION 3

1 points

Saved

What is the default port number for MySQL?

- ☐ a. 5432
- ☐ b. 1521
- ☐ c. 8080
- ☒ d. 3306

QUESTION 4

1 points

Save Answer

What is one of the limitations of File-based Systems mentioned in the content?

- ☐ a. Dynamic queries.
- ☐ b. Effective data independence.
- ☐ c. Efficient data modeling.
- ☐ d. Proliferation of application programs.

QUESTION 5

1 points

Save Answer

In the context of a relational database, what is the "degree" of a relation?

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QUESTION 6**1 points**[Save Answer](#)

What does SQL stand for?

- ☐ a. Standardized Language
- ☐ b. Sequential Language
- ☐ c. Scripted Query Language
- ☐ d. Structured Query Language

QUESTION 7**1 points**[Save Answer](#)

State true or false: Multiple conditions in the where clause is separated by a “,”.

- ☐ True
- ☐ False

QUESTION 8**1 points**[Save Answer](#)

Which of the following is a Data Manipulation command?

- ☐ a. Alter
- ☐ b. None
- ☐ c. Create
- ☐ d. Delete

QUESTION 9**1 points**[Save Answer](#)

What is the purpose of the Data Manipulation Language (DML) in a DBMS?

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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QUESTION 10**1 points**

Save Answer

What does MySQL use to store and organize data?

- ☐ a. Tables
- ☐ b. Folders
- ☐ c. Files
- ☐ d. Documents

QUESTION 11**1 points**

Save Answer

What is the main advantage of using a Relational Database Management System (RDBMS)?

- ☐ a. Improved data redundancy.
- ☐ b. Support for hierarchical data models.
- ☐ c. Enhanced security mechanisms.
- ☐ d. Better performance for complex queries.

QUESTION 12**1 points**

Save Answer

In the relational table, which of the following can also be represented by the term “attribute”?

- ☐ a. Both b & c
- ☐ b. Column
- ☐ c. Entity
- ☐ d. Row

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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- ☐ d. To define the physical storage of data.

QUESTION 14

1 points

Save Answer

Which of the following is not a valid SQL type?

- ☐ a. Character
- ☐ b. Numeric
- ☐ c. Float
- ☐ d. Decimal

QUESTION 15

1 points

Save Answer

Which DDL command is used to remove a table from a database?

- ☐ a. Erase
- ☐ b. Drop
- ☐ c. Remove
- ☐ d. Delete

QUESTION 16

1 points

Save Answer

What datatype is used to store data such as images, sound, videos, or spreadsheets?

- ☐ a. Boolean
- ☐ b. Exact Numeric
- ☐ c. Binary
- ☐ d. Text

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

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- ☐ b. Set
- ☐ c. Modify
- ☐ d. Change

QUESTION 18**1 points**[Save Answer](#)

What is a characteristic of the Relational Model?

- ☐ a. Utilization of object-oriented principles.
- ☐ b. Focus on network-based organization.
- ☐ c. Use of hierarchical structure.
- ☐ d. Storage of data in tables.

QUESTION 19**1 points**[Save Answer](#)

What will be the result of the following query: `SELECT 1 + '1';`?

- ☐ a. Error
- ☐ b. NULL
- ☐ c. 2
- ☐ d. 11

QUESTION 20**1 points**[Save Answer](#)

What does the term "Data Abstraction" refer to in the context of a database?

- ☐ a. Data retrieval operations.

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