

Learning check-in

Clq - ZeMoSo x Inters Daily Progress x Learning SQL by Alan x Introduction to DBMS x Learning check-in | C x DBMS - Google Docs x Introduction to DBM x +

← → ↻ coursera.org/learn/database-management/quiz/5Zatc/learning-check-in/attempt?redirectToCover=true

← Back Learning check-in Practice Quiz • 30 min • 1 total point Due Apr 16, 11:59 PM IST

✓ **Congratulations! You passed!** Grade received 100% To pass 80% or higher [Go to next item](#)

1. Please tell us how well you have understood the content so far. 1 / 1 point

☐ I am just starting to learn this. I don't understand this yet.

☐ I am beginning to understand this but I still need some help.

☒ I can understand this and I can do this on my own.

☐ I know this well enough to teach someone else.

✓ Correct

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Module02 Quiz

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1. The persistent property of databases indicates 1 point

☐ Data reside in volatile memory erased when user interaction completes.

☐ Applications using a database never fail.

☒ Data reside on stable storage as the long-term memory of an organization.

☐ Data requires appropriate authorization for modification and retrieval.

2. The inter-related property of databases indicates 1 point

☐ Entities exist independently without relationships to other entities.

☒ Databases maintain connections or relationships among entities to store business interactions.

☐ Entities exist independently except when required for applications.

☐ Databases maintain connections among applications using entities.

3. The shared property of databases indicates 1 point

☒ Databases can have multiple users and uses (applications).

☐ Each entity in a database can only have one active user.

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3. The shared property of databases indicates **1 point**

- ☒ Databases can have multiple users and uses (applications).
- ☐ Each entity in a database can only have one active user.
- ☐ Organizations forfeit access controls to databases.
- ☐ Organizations must grant open access to databases.

4. What is the meaning of the SQL acronym? **1 point**

- ☐ Sequel
- ☐ Structured Quotient Lingo
- ☐ Super Query Language
- ☒ Structured Query Language

5. Identify important DBMS features. More than one answer is possible. **1 point**

- ☒ Non procedural access
- ☒ Data definition
- ☒ Transaction processing
- ☐ Workflow definition

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6. Indicate the work emphasis of a database administrator. More than one answer is possible. **1 point**

- ☒ Focused on individual databases
- ☐ Primary role for data planning
- ☒ Requires skills and knowledge of specific DBMSs
- ☐ Primary role for setting data standards for an organization

7. Indicate the work emphasis of a data administrator. More than one answer is possible. **1 point**

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8. What is an enterprise DBMS? **1 point**

- ☐ Supports small workgroups with modest performance and reliability capabilities
- ☐ Resides in a larger system, either an application or a device with limited transaction processing, memory, processing, and storage.
- ☒ Supports mission critical information systems with high performance for storage, transaction processing,

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8. What is an enterprise DBMS? 1 point

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- ☒ Supports mission critical information systems with high performance for storage, transaction processing, and scalability.
- ☐ Supports servers for website usage

9. What is a desktop DBMS? 1 point

- ☒ Supports small workgroups with modest performance and reliability capabilities
- ☐ Resides in a larger system, either an application or a device with limited transaction processing, memory, processing, and storage.
- ☐ Supports mission critical information systems with high performance for storage, transaction processing, and scalability.
- ☐ Supports servers for website usage

10. What is an embedded DBMS? 1 point

- ☐ Supports small workgroups with modest performance and reliability capabilities

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11. Languages for non-procedural database access have explicit statements for looping. 1 point

- ☐ True
- ☒ False

12. What tools do enterprise DBMSs provide for non-procedural access? More than one answer is possible. 1 point

- ☒ the SQL SELECT statement
- ☒ Graphical tools such as the Query Builder tool in the Oracle SQL Developer
- ☒ Database programming languages combining a procedural language with non-procedural database access.
- ☐ The SQL CREATE TABLE statement

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13. What are the benefits of non-procedural database access? More than one answer is possible. 1 point

- ☒ Improve software productivity
- ☒ Improve accessibility of databases to users without programming skills and training.
- ☐ Provide security for databases
- ☐ Provide privacy for databases

14. Indicate reasons that organizations use database programming languages. More than one reason is possible. 1 point

- ☒ Batch processing especially for big data tasks
- ☒ Customization especially for ecommerce and automation
- ☐ Data visualization for business analysts
- ☒ Modularization to organize code performing database retrieval and modification

15. What statements are true about database transactions. More than one answer is possible. 1 point

- ☒ Support daily operations of an organization
- ☒ A database transaction consists of a collection of database operations to read and write to a database.
- ☐ A transaction consists of a single database operation.
- ☒ A DBMS reliably and efficiently processes each transaction as one unit of work

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16. Identify services provided in database transaction processing. More than one answer is possible. 1 point

- ☐ Optimized processing of SQL SELECT statements
- ☒ Control of interference among concurrent users
- ☒ Recovery from failures without loss of completed transactions
- ☐ Query modification

17. Identify decision making levels with primary support by data warehouses. More than one answer is possible. 1 point

- ☒ Lower (operational) decisions such as resolving a shipping delay
- ☒ Middle (tactical) decisions such as sales forecasting
- ☒ Top (strategic) decisions such as identifying new markets

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☐ Micro (sub operational) decisions such as packet routing

18. Identify characteristics of data warehouses. More than one answer is possible. 1 point

☒ Populated from operational databases and external data sources
☐ Optimized for efficient and reliable processing of large volumes of daily transactions.
☒ Transformations and integrations performed to support decision making
☒ Optimized for reporting that summarizes large amounts of data

19. Indicate characteristics of fourth generation DBMS products. 1 point

☒ Object-oriented, NoSQL
☐ Relational with non-procedural access
☐ Navigational
☐ File-oriented

20. Indicate recent areas of development for database technology. More than one answer is possible. 1 point

☐ Business intelligence processing

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☒ Object-oriented, NoSQL
☐ Relational with non-procedural access
☐ Navigational
☐ File-oriented

20. Indicate recent areas of development for database technology. More than one answer is possible. 1 point

☐ Business intelligence processing
☐ Initial development of optimizing database compilers
☐ Cloud computing
☒ Optimization for big data demands

Upgrade to submit

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