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Graded Quiz: Fundamentals of Databases

Latest Submission Grade 100%

1. True or false? Primary data is generated directly by the individual needing the information.

1 / 1 point

☒ True☐ False**Correct**

The statement is true as written.

2. What classification of data is organized into a hierarchy using tags and metadata and is stored in non-relational databases?

1 / 1 point

☒ Semi-structured data☐ Meta-structured data☐ Structured data☐ Unstructured data**Correct**

Semi-structured data has some organizational properties. It is organized into a hierarchy using tags and metadata and is stored in non-relational databases.

3. Which one of the following is NOT one of the four main components of a database?

1 / 1 point

☐ A table☐ A column☒ A cell☐ A row**Correct**

A cell is not one of the four main components of a database. The missing component is a schema.

4. In what type of database is data stored in multiple files linked by common fields?

1 / 1 point

☒ Relational database☐ SQL database☐ Flat-file database☐ Database management system**Correct**

In a relational database, data is stored in multiple files linked by common fields.

5. What type of Structured Query Language (SQL) commands group can create, modify, and delete database structures, but not data?

1 / 1 point

- ☐ Data Manipulation Language (DML)
- ☐ Data Control Language (DCL)
- ☒ Data Definition Language (DDL)
- ☐ Data Alteration Language (DAL)



Correct

DDL consists of the SQL commands used to define the database schema. DDL commands create, modify, and delete database structures, but not data.

6. True or false? A relational database stores data in a non-tabular form and tends to be more flexible than the traditional database structures.

1 / 1 point

- ☐ True
- ☒ False



Correct

Actually, a non-relational database stores data in a non-tabular form and tends to be more flexible than the traditional database structures.

7. Which one of the following is a relational database?

1 / 1 point

- ☐ Apache Cassandra
- ☐ MongoDB
- ☒ Oracle
- ☐ Couchbase



Correct

Oracle is a relational database.

8. Which of the following are common ways of accessing a database? (Please select 3 that apply.)

1 / 1 point

- ☒ User interface/utility access



Correct

This is a common way of accessing a database.

- ☒ Direct/manual access



Correct

This is a common way of accessing a database.

- ☐ Peripheral access

- ☒ Programmatic access



Correct

This is a common way of accessing a database.

9. True or false? Physical database backups are good for restoring the database at a different location or environment and storage size is an issue.

1 / 1 point

- ☐ True
- ☒ False



Correct

Actually, physical database backups are good for complete system restoration since a complete set of information is saved at the backup point, requiring less restoration time.

10. Ideally, how often should you perform database backups?

1 / 1 point

- ☐ Full logical backup on a monthly basis and full physical backup on a monthly or quarterly basis during system downtime
- ☐ Full logical backup on a weekly basis and full physical backup on a quarterly basis during system downtime
- ☐ Full logical backup on a daily basis and full physical backup on a weekly basis during system downtime
- ☒ Full logical backup on a weekly basis and full physical backup on a weekly or monthly basis during system downtime



Correct

This is the recommended update schedule.