

Graded Quiz: Introducing Relational Database Products

1. What role does database replication play in a distributed database architecture?

1 / 1 point

- ☐ High availability
- ☐ Improved performance
- ☐ Disaster recovery
- ☒ All of the above

✓ Correct

Database replication provides improved performance, high availability, and disaster recovery benefits.

2. Which of the three main classes of database users are more likely to use Object Relational Mapping (ORM) in their workloads?

1 / 1 point

- ☒ Application Developers
- ☐ Database Administrators
- ☐ Data Scientists
- ☐ Data Engineers

✓ Correct

3. MySQL supports multiple storage engines. Which of the following supported storage engines use table-level locking?

1 / 1 point

- ☐ InnoDB
- ☐ NDB
- ☒ MyISAM
- ☐ None of the above

✓ Correct

MyISAM uses table-level locking in data warehouse and web application environments.

4. PostgreSQL is an object-relational database management system. What does the object part mean for PostgreSQL?

1 / 1 point

- ☐ Supports high availability and scalability
- ☒ Supports inheritance and overloading
- ☐ Uses Postgres source code
- ☐ Database management

✓ Correct

The object part describes that, like object-oriented programming languages, it supports inheritance and overloading.

5. A Relation is a table made up of columns and rows. Columns are attributes or fields. What are rows?

1 / 1 point

- ☐ Data values
- ☐ Struct
- ☒ Tuples
- ☐ None of the above

✓ **Correct**
The rows are tuples.