Sta. Teresa College



Bauan, Batangas

**COLLEGE DEPARTMENT**

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**Directions:** Please study the uploaded file on your LMS entitled ”**Mastering MySQL**” to answer this activity.

1. What does the word relationship mean in reference to a relational database?

-In relational database, a relationship exists between two tables when one of them has a foreign key that references the primary key of the other table.

1. What is the term for the process of removing duplicate data and optimizing tables?

-Normalization

1. What are the three rules of the First Normal Form?

-There should be no repeating columns containing the same kind of data.  
   - All columns should contain a single value.  
   - There should be a primary key to uniquely identify each row.

1. How can you make a table satisfy the Second Normal Form?

-The tables must already be in First Normal Form.

1. What do you put in a column to tie together two tables that contain items having a one-to-many relationship?

-Dashed lines

1. How can you create a database with a many-to-many relationship?

-Add a third table containing the same key column from each of the other tables.

1. What commands initiate and end a MySQL transaction?

-Commit and Rollback

1. What feature does MySQL provide to enable you to examine how a query will work in detail?

-The MySQL Query Analyzer enables developers and DBAs to quickly improve the performance of their database applications by monitoring query performance. MySQL Query Analyzer lets you accurately pinpoint SQL code that is the root cause of a slow down.

1. What command would you use to back up the database publications to a file called publications.sql?

-mysqldump -u user - p password publications> publications.sql