

Database Programming with PL/SQL 13-1: Introduction to Triggers

Practice Activities

Vocabulary

Identify the vocabulary word for each definition below:

Application triggers	Execute automatically whenever a particular event occurs within an application.
Triggers	Programs to execute a specific action whenever a specific event occurs in an application or in the database.
Database triggers	Execute automatically whenever a data event (such as DML or DDL) or system event (such as logon or shutdown) occurs on a schema or database. Should be used sparingly so as to not slow down the database or create complex interdependencies.

Try It / Solve It

1. What are triggers commonly used for in a database?

Modificar o agregar información a la base de datos cuando se realiza una determinada acción.

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2. List the types of events that cause a database trigger to fire?

Cuando se usan operación DML en una tabla

Operaciones DML en una vista

Cuando se realizan operaciones DDL dentro de la base de datos

Cuando un usuario inicie sesión en la base de datos.

3. What is the most important thing to check before creating a database trigger?

Es verificar si realmente es necesario usar un trigger, o si esa acción se puede realizar empleando una restricción a la tabla.

4. Describe four differences between triggers and procedures.

Un trigger se invoca automáticamente.

A un trigger no se le pueden pasar parámetros.

Los triggers solo pueden ser llamados cuando un determinado evento ocurre dentro de la base de datos.

Los triggers creados se encuentran en USER_TRIGGERS.