1-2 Benefits of PL/SQL

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Contents

Vocabulary

Match key terms of terminology at the end of this lesson slides with its definition. Identify the vocabulary word for each definition below:

1. The ability for PL/SQL programs to run anywhere an Oracle server runs?

   Portability

2. The basic unit of PL/SQL programs- also known as modules

   Block

3. An error that occurs in the database or in a user's program during runtime.

   Exception

Solve it

1. Why is it more efficient to combine SQL statements into PL/SQL blocks?

   Combining SQL statements into PL/SQL blocks is more efficient because it reduces the overhead of sending multiple SQL statements to the database server.

2. Why is it beneficial to use PL/SQL with an Oracle database? List at least three reasons.

   (a) Tight Integration: PL/SQL is tightly integrated with Oracle, allowing for seamless interaction with the database.

   (b) Performance: PL/SQL provides better performance optimization and reduces the need for frequent client-server communication.

   (c) Security: PL/SQL allows for fine-grained access control and enhances database security.

3. How is PL/SQL different from C and Java? List three differences.

   PL/SQL is primarily used for database programming and stored procedures, while C and Java are general-purpose programming languages.

4. List three examples of what you can build with PL/SQL code.

   (a) Stored Procedures and Functions

   (b) Triggers

   (c) Data transformation