

PL/SQL Viva Cheat Sheet

Q: What is PL/SQL?

A: PL/SQL (Procedural Language/SQL) is Oracle's procedural extension to SQL, adding features like loops, conditions, and exception handling.

Q: Basic structure of a PL/SQL block?

A: DECLARE (optional) - variables, BEGIN (mandatory) - statements, EXCEPTION (optional) - error handling, END.

Q: Difference between procedure and function?

A: Procedures perform actions, may not return a value. Functions return a value and can be used in SQL queries.

Q: What are cursors?

A: Cursors are pointers to query result sets. Implicit cursors are automatic; explicit cursors are manually defined.

Q: Exception types?

A: Predefined (e.g. ZERO_DIVIDE), and user-defined. Used in EXCEPTION block.

Q: What is a trigger?

A: A trigger is code that runs automatically on table events like INSERT, UPDATE, DELETE.

Q: What is a package?

A: A package is a collection of procedures, functions, and variables grouped together.

Q: %TYPE and %ROWTYPE?

A: %TYPE gets data type from a column. %ROWTYPE gets structure of a full table row.

Q: IN, OUT, IN OUT parameters?

A: IN sends data, OUT returns data, IN OUT does both.

Q: What are autonomous transactions?

A: Independent transactions that can be committed/rolled back without affecting the main transaction.

Q: How to print output?

A: Use DBMS_OUTPUT.PUT_LINE('text'); and SET SERVEROUTPUT ON;