**PLSQL**

What is PL/SQL?

PL/SQL (Procedural Language/SQL) is Oracle’s procedural extension to SQL, allowing loops, conditions, procedures, functions, and exception handling inside the database.

**Faster Execution:** Reduces network traffic by executing logic inside the database  
**Better Security:** You can hide business logic inside stored procedures  
**Exception Handling:** Can handle errors properly, unlike plain SQL

**PL/SQL Block Structure**

|  |  |
| --- | --- |
| DECLARE (Optional) | Declare variables, constants, and cursors |

|  |  |
| --- | --- |
| BEGIN | The main logic (SQL & procedural statements) |

|  |  |
| --- | --- |
| EXCEPTION (Optional) | Handles errors |

|  |  |
| --- | --- |
| END | Terminates the block |

**What is a Stored Procedure in PL/SQL?**

A stored procedure is a precompiled, reusable PL/SQL block that is stored in the database and can be executed multiple times.