

* Title - Unnamed PL/SQL code block. Use of control structure & exception handling is mandatory

* Objective -
① Understand control structure
② Understand exception handling in PL/SQL

* Theory -
PL/SQL is a procedural extension of SQL that offers functionalities like imperative programming languages. We can declare and use variable, constants, & exception handling and you can also write the program modules in form of PL/SQL subprograms.

* Advantages -
1) Increase in expensiveness
2) Optimized combine SQL statements
3) Reuse program code
4) Reduce the cost of maintaining & changing application

* Structure of PL/SQL

DECLARE

declare section

BEGIN

executable section

EXCEPTION

exception handling section

END;

Declare section

variables, types, cursors are defined here

Executable section:

procedure of SQL statements here

Main section of block

Exception handling section

Error handling code here

7 Condition Statements →

IF THEN ELSE IF

Exceptions → errors or warnings in code at run time.

types → (a) User defined

(b) pre defined

* Conclusion - Successfully written PL/SQL code and understood about exception handling.