

23/9/25

Task 7 - PL/SQL, Procedures, Loops

Aim

To implement PL/SQL Procedure, Function and loop

Procedure

PL/SQL is a combination of SQL along with procedural features of programming Language. It was developed by Oracle Corporation in the early 90's to enhance the capability of SQL.

1. Declaration

This section with the keyword Declare. It is an optional section and defines all variable.

2. Executable Commands

This section is enclosed between the keywords Begin and end and it is a mandatory section.

Syntax

Declare

<Declare section>

Begin

<executed command(s)>

Exception

<exception handling>

End

Simple program to print a message

Static input

1 declare

2 x number(5);

3 y number(5);

4 z number(9);

5 begin

6 x = 10;

7 y = 12;

8 z = x + y

9 dbms_output.put_line ('sum is ' || z);

10 end

11

PL/SQL Procedure successfully

SUM is 22

Dynamic Input

set server output on
declare

x number (5)

y number (5)

z number (9)

begin x = 10

y = 11;

z = x + y;

dbms_output.put_line ('sum is ' || z);

end;

SQL> declare

1 Var1 integer;

2 Var2 integer;

3 Var3 integer;

4 begin

5 Var1 = 4 * Var1;

6 Var2 = Var2;

7 Var3 = Var1 + Var2;

Enter value for Var1: 20

Old & Var1 = 4 * Var1;

New & Var1 = 20;

Enter value for Var2;

New & Var2 = 30;

So

Declare

hid number = 10;

Begin

IF (hid = 10) THEN

dbms_output.putline ('value of hid is 10');

Else IF (hid = 20) THEN

dbms_output.putline ('value of hid is 20');

Else IF (hid = 30) Then

dbms_output.putline ('value of hid is 30');

END

VEL TECH	
EX NO.	
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	4
TOTAL (20)	14
SIGNATURE	

Result:

Implementation of PL/SQL
Procedures is successfully executed.