

PL/SQL Procedures & Loops, Functions

Aim: To implement PL/SQL procedures functions & loops on number theory & business

Procedure:

PL/SQL is a combination of SQL along with the procedural features of programming languages. It was developed by Oracle Corporation in the early 90's to enhance the capabilities of SQL. It consists of declarations & descriptions.

Declaration

This section starts with the keyword `DECLARE`. It is an optional section & defines all variables.

Executable Commands

This section starts with the keyword `BEGIN` & `END` & it is a mandatory section. It consists of executable PL/SQL statements of program.

Exception Handling

This section starts with the keyword `EXCEPTION` simple program to print a sentence.

~~Syntax~~ `DECLARE`

declaration section >

BEGIN  
( executable command (s) )  
exception  
( exception handling )  
END;

### Program

VELLAR F

message varchar=(20) = booking closed;  
Begin.

dbms\_output.put\_line (message)  
END;

static input

SQL> set server output.

SQL> declare

2 x number(5);  
3 y number(5);  
4 z number(2);  
5 begin

6 y := 10;

7 y := 12;

8 z := x + y;

9 dbms\_output.put\_line (sum is "||z||");

10 end;

11 |

PL/SQL Procedure successfully Completed without Input

Set Server output on.

declare

  x number(5);

  y number(5);

  z number(4);

begin

  x = 10;

  y = 12;

  z := x + y;

  dbms\_output\_line (sum's n2);

end;

SQL > declare

  2 var1 integer;

  3 var2 integer;

  4 var3 integer;

  5 begin

  6 var1 := var1;

  7 var2 := var2;

  8 var3 := var1 + var2;

  9 dbms\_output\_line (var3);

10 end;

11 /

Enter value for var2 = 30

old : var2 = &var2;

now : var2 = 30;

so

PL/SQL procedure successfully completed

DECLARE

hid number(3); = 100

BEGIN:

IF (hid = 10) THEN

dbms\_output.put\_line ('value of hid is 10')

ELSE IF (hid = 20) THEN

dbms\_output.put\_line ('value of hid is 20')

ELSE IF (hid = 30) THEN

dbms\_output.put\_line ('none of values is matching');

END IF:-

dbms\_output.put\_line ('exact value of hid is: ' || hid);

END;

/

None of value is matching

Exact value of hid is: 100

PL/SQL procedure successfully completed.

Sample program for only function.

SQL>(create or replace function ; s information .

```

JS
Begin
If c_id > 200 then
Return ('No Booking available');
else
Return ('Booking open');
End if;
End;

```

Function Created

SQL > declare.

2. mesg varchar < 200>;
3. begin
4. mesg = select information < 2006, 10m>;
5. dbms\_output put\_line < mesg >;
6. End;
7. |

NO vehicle available.

PL/SQL procedure successfully completed

VELTECH	
EX NO.	1
PERFORMANCE (5)	3
RESULT AND ANALYSIS (5)	3
VIVA VOCE (5)	3
RECORD (5)	3
TOTAL (20)	13
SIGN WITH DATE	10/10

Result:-

Thus, Implementation of PL/SQL Procedures for loops

& Functions has been successfully completed