

Task 7 : Procedure function and loops program
Using SQL procedure, function & loops

Aim:- To implement DCL/SQL procedures, functions and loops on number theory and business scenarios.

Simple DCL/SQL:- program (Static Input)

DECLARE

message (VARCHAR 2/20) = Booking
closed;

BEGIN

dbms_output.put_line (message);

END;

Output:-

Booking closed

2 - condition statement (dynamic input)

DECLARE

lid number(3) = 100;

BEGIN

IF (lid = 10) THEN

dbms_output.put_line ('value of lid is 10');

db

ELSEIF (lid = 20) THEN

dbms_output.put_line ('value of lid is 20');

ELSEIF (lid = 30) THEN

dbms_output.put_line ('value of lid is 30');

ELSE

dbms_output.put_line ('None of the values matching')

Output

None of the value is matching
Exact value of mid is : 190

3. Nested loops example

DECLARE

mid Number (1);

old Number (1);

BEGIN

<< Outer loop >>

for mid in 1..3 loop

<< inner loops >>

for old in 1..3 loop

dbms_output.put_line ('mid is : 1

mid 1 and old is 1 out)

END loop inner-loop;

END loop outer-loop;

END;

Output:-

mid is : 1 and old is : 1

mid is : 1 and old is : 2

mid is : 1 and old is : 3

mid is : 2 and old is : 1

mid is : 2 and old is : 2

mid is : 2 and old is : 3

hid is: 3 and oid is: 1

hid is: 3 and oid is: 2

hid is: 3 and oid is: 3

~~update~~

procedure Example

CREATE OR REPLACE PROCEDURE booking_state
(C - id IN NUMBER)

IS

BEGIN
IF (C + id > 200 THEN)

dbms_output.put_line ('* Booking open');

END IF;

END;

Output:

Booking open

No Booking available

~~PL/SQL~~ procedure for loops

Example 1: using while loop with cursor
prime check using while loop

CREATE OR REPLACE PROCEDURE PRINT_PRIME
CUSTOMERS

ORDER cost - cor is

SELECT * customers id from customers;

V - id NUMBER;

V - is - prime BOOLEAN;

V - i NUMBER

BEAIM

OPEN COST - CW;

LOOP

EFFECT COST - CURINTON - a;

EXIT THEN COST - CUR + 1. NOT FOUND;

IF $V - P_d < 2$ THEN

$V - P - \text{prime} = \text{FALSE}$

IF $V - P_d < 2$ THEN

$V - P - \text{prime} = \text{FALSE};$

ELSE

$V - P - \text{prime} = \text{TRUE};$

$V - P \geq 2;$

~~WHILE~~ $V - P = \text{TRUNC}(\text{QR} + (V - P_d / \text{LOW}) \text{ IF MOD}$

$(V - P_d, V) \neq 0$ THEN

$V - P - \text{prime} = \text{FALSE};$

EXIT;

END IF;

$V - P = V - P + 1;$

END LOOP;

END IF;

IF $V - P$ prime THEN

DBMS - OUTPUT - PUT - LINE (PRIME customer

$ED \geq 1(V - P_d);$

END IF;

END LOOP;

CLOSE CUR - CUR;

END;

the procedure checks all customer IDs in the table and prints the prime and using while loop.

VEL TECH - CSE	
EX NO.	07
PERFORMANCE (5)	5
RESULT AND ANALYSIS (5)	4
VIVA VOCE (5)	4
RECORD (5)	-
TOTAL (20)	14
SIGN WITH DATE	

22/12/20
Result :-

After, the procedure function and loops program using PL/SQL procedure, functions or loop are executed successfully.