

Date 22-09-2023

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Title

procedure function and loops - program
using pl/sql procedure functions loops

Aim:- To implement pl/sql procedures,
functions and loops number the org and
business scenarios

1. Simple pl/sql : program (static input)

DECLARE

MESSAGE VARCHAR(200) := Docking
closed;

BEGIN

dbms_output.put_line(message);

END;

Out put

Docking closed

2. Condition Statement (Dynamic input)

DECLARE

hid Number(3) := 100;

Begin

IF child = 10 THEN

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

elsif (hid = 20) Then

EISF

dbms-output put-line ('value of hid is 20')

ELSIF (hid = 30) Then

dbms-output .put-line ('value of hid is 30')

EISE IF

dbms-output-line ("none of the values")

END IF

dbms-output-line ('exact value of hid
Chid", No;)

Output

None of the value is matching.

Exact value of hid is 200

3- Nested loops Example

DECLARE

hid Number (1),
Did Number (1);

DEGIN

<< OUTER - loop >>

FOR hid IN 1-3 loop

<< inner - loop >>

FOR Did IN 1-1 loop

dbms-output - put line (hid is 1 hid and
Did is out)

END Loop inner - loop;

END loop outer - loop;

Output

hid is : 1 and oid is : 1

hid is : 1 and oid is : 2

hid is : 1 and oid is : 3

hid is : 2 and oid is : 1

hid is : 2 and oid is : 2

hid is : 3 and oid is : 1

PL/SQL procedure example

CREATE OR REPLACE PROCEDURE booking

-status

IS BEGIN

IF (c_id >= 20 THEN)

dbms_output_link 1'Booking'

ELSE

dbms_output_link

(Booking open);

END IF;

END

EXCEPTION

BEGIN

booking -status (150);

booking -status (250);

END;

Output

Booking OPEN

No Booking available

PL SQL procedure for loop

Example :- using while loop with cursor
prime check using while loop.

Create or Replace procedure print
- prime

v-id Number,
v-is-prime BOOLEAN;
v-i number

BEGIN

OPEN cost-cur;

loop

FETCH cost-cur INTO v-id;

EXIT WHEN cost-cur NOT FOUND;

IF v-id < 2 THEN

v-is-prime := FALSE

ELSE

v-is-prime := TRUE

White v-is-prime GOT v-id

v-is-prime := FALSE;

END IF

END LOOP;

END LOOP;

```
ENDP;  
ENDloop;  
Close cust ori;  
END;
```

The procedure checks all customers in the table & prints on it's using

Example:- Using For loop for first N print
Number

CREATE OR REPLACE PROCEDURE print_

first
v-number 20;
v-count Number 20;
v-is prime Boolean;

DEGIN

WHILE v-count > Nloop.

v-i-loop 2 Times

FOR o; IN &TRON1 (SORT (v-num)) loop

IF NOT (v-num) = 0 Then

IF NOT (v-num) = 0 Then
v-is-prime = False

END

ENDPR,

v-count = v-num + 1

ENDloop;

END

This procedure print the first n prime number using a for loop.

Design

POINT - FIRST - n - primes();
CNP;

VEL TECH	
EX NO.	7
PERFORMANCE (5)	3
RESULT AND ANALYSIS (5)	2
VIVA VOCE (3)	-
RECORD (5)	12
TOTAL (15)	C
SIGN WITH DATE	22/9/12

VEL TECH	
EX NO.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (3)	
VIVA VOCE (3)	
RECORD (4)	
TOTAL (15)	
SIGN WITH DATE	

Result:- Thus the procedure function and loops program using PL and SQL procedure, function, loop are executed successfully.