

Task-7:- Procedure for loops

Aim:- To write PL/SQL Programs using loops for Printing the member Customer IDs and demonstrating Control in different Scenarios

Procedure:-

1. start
2. use a cursor to fetch customer ID from a table
3. for each ID check whether Prime number using a loop
4. Print the result using DBMS - output line
5. End the block

Example: 1:-

create or replace Print-Prime - Customer cursor with cursor;

select customer-ID from Customers

v - Id number;

r-is - Prime boolean

v-i number;

Begin

open cust-cur;

loop

FETCH cust-cur INTO v-Id;

Exit when cust-cur %not found;

If v-id < 2 Then

v-is-Prime := False;

v-i := 2;

while v-i <= TRUNC(SQRT(v-id)) loop

If Mod(v-id, v-i) = 0 then

```

Exit;
End if;
v-i = v-i+1;
End loop;
End IF;
If v-i = Prime Then
DBMS-output: Put line (Prime Customer ID: (v-i));

End if;
End loop;
Close Cust-cur;
END;

```

This Procedure checks all Customer IDs the table and Prints the Prime ones using a while loop

2) Simple PL/SQL PROGRAM

```

DECLARE
    Message VARCHAR2(20) := 'Booking closed';
BEGIN
    DBMS-Output Put - line (message);
END;

```

Output:-
Booking closed

Result:-

2 Conditional statement

```

DECLARE
    mid number(3) := 100;
BEGIN
    If (mid = 10) Then
        DBMS-output - Put line (mid is 10);
    ELSE If (mid = 20) THEN

```

VEL TECH - CSE	
EX NO.	
PERFORMANCE (5)	
RESULT AND ANALYSIS (5)	
VIVA VOCE (5)	
RECORD (5)	
TOTAL (20)	
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dbms-output Put-line ('Value of mid is 100');

else

dbms-output Put-line ('None of the value matching');

END IF;

dbms-output-line ('Exact value of mid is 100');

END;

Output:

None of the value is matching
Exact value of mid is: 100

Result:- Thus the Procedure function and loops Program.

Using PL/SQL Procedure function. & loops are executed successfully.

VEL TECH - CSE	
EX NO.	07
PERFORMANCE (5)	5
ANALYSIS (5)	4
VOICE (5)	4
RD (5)	1
TOTAL (20)	14
AVERAGE	2