

TASK-7: Procedure Function and loops program using PL, SQL procedure, Functions & loops:

Aim: To implement PL/SQL procedures, Functions & loops number the org and business scenarios
1) simple PL/SQL: program (static input delete)

```
message varchar(200); Booking closed;  
Begin  
  dbms_output.put_line(message)  
End;
```

output:

Booking closed.

2) condition statement (dynamic input)
DELETE

```
hid number(3) = 100;  
Begin  
  IF child = 10, then  
    dbms_output.put_line('value of  
                           hid is 10');  
  ELS IF child = 30 then  
    dbms_output.put_line('value of hid is 30');  
  END IF  
  dbms_output.put_line('Exact value of hid',  
                        child, no,);
```

output: none of the value is matching
exact value of hid in = 100

3 - nested loops example
declare

```
  hid number(3)  
  did number(3)  
Begin  
  < outer loop >  
  For hid int 3 loop  
    < inner loop >  
    For did int 1 to 1000
```

dbms - output - put line (this is 11 hid and
oid 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

we procedure example :

create (or) replace procedure booking
- status

IS BEGIN

IF (<id>200 then

dbms - output - line 1 no booking

ELSE

dbms - output - line 2 booking open,

END IF;

END

Ex equation

begin

booking - status (150);

booking - status (250);

END;

output:

booking open.

no booking available

pl SQL procedure for loop

Example: using while loop with colour
prime check using while loop
create or replace procedure printf
prime.


```

vid number
v-is - prime - boolean;
v - number;

begin
  open cost-car;
  loop
    RET cost - (CUR INTO v-id);
  END THEN cost - (CUR INTO v-id);
  IF v-id THEN
    v-is - prime - FALSE;
  ELSE
    v-is - prime - TRUE;
  while v-is - prime - TRUE
    v-is - prime - FALSE;
  EXIF;
  END IF;
  END LOOP;
  END IF;
  END LOOP;
  close customer;
END;

```

The procedure checks all customers
 IDs in the table, the print
 on its using.

Example: using for loop for first n prime number.

create (or) replace procedure print first.

v - number = 20;

v - count number = 0;

v - is prime Boolean;

Begin

while v - count <= n loop

v - is - loop = true;

for i = 1 to n (sort (u-num) loop

if n loop (u-num) > 0 then

if n loop (u-num - i) = 0 then

v - is - prime = false

end if;

end if;

v - count v - num

end loop;

end.

this procedure print the first n prime number using a for loop

Begin

print - first - n - prime (10);

End;

VELTECH	
EX No.	
PERFORMANCE (5)	7
RESULT AND ANALYSIS (5)	5
VIVA VOCE (5)	5
RECORD (5)	15
PROCEDURE FUNCTION	
SIGN WITH DATE	

Result: Thus the

and loops program using PL and SQL procedure functioning loop executed successfully.