Task-No: 7
Date: 23/9/25 PL/SQL Bacedwest Functions
Aim: To implement pelson Procedures, Functions and loops
on Number theory and business scending.

Procedwie:

PLISBL Ps a combination of SBL along with the procedural features of programming Congruggs. It was developed by conacle corposation in the early 90's to enhance the capabilities of SBL. PLISBL Ps ore, there key programming languages arm bedded in oracle data base, along with SBL It self and Fava.

Simple program to print a sentence!

Syntax?- DECLARE

Ledec Conation section>

BECIN

Lexecutable section>

EXCEPTION

Lexeption Landling>

END;

Program 8

mere age von char 2 (20): > 'booking closed';

BEADN.

dbms_output.put_lire (message):

ENP;

Agramic Input: set soveroutput on, declare

7 number (5);

y number (5);

2 number (9);

```
bagen
   X: =10;
   Y1 = P)
   2:= x44)
   dbms-output.put-line ('sum?s' 1/2);
 end;
output: sum & 29
declare
Val 1 Portegel;
Vone Potegel;
Voor 3 Intega;
begin.
 VO911:= & VO911;
  VO012:= 2 VO12;
  V013: = V0011+ V012;
  dbms_output. put line (vors);
end;
Entervalue for Vor 1:20
Old 6 1 Van 1 := 2 Van 1;
new 6 : Vor 1 ! = 20)
Enter value for Non 2: 30.
 01d 7 1 4012 := 2 Von 2;
 head : val : =30;
 50.
Declare
   Red number (3):=100;
Begin.
    If (Rid >10) from
       dbms_output-line. ( Value of hid is 10')
   else if (hid = 20) then
        dbms -output . put_ like ( 'value of Lid & 20');
```

```
else of (hid = 50) then.
      dbms-output put-live ( value offied is 30');
   else
     dbms - output put-line (' Nove of the values is motching');
  End if;
   dbms - output put-line ('Exact value of hid is: '11 hed);
Emd)
Output ?
Noe of the values is matching
Exact value of hed is 1100.
Declare
     Lid humber (1) ;
    old number (1);
Begin
    LC outel -Coop >>.
    Fox LId in 1 -- 3 loop
        CL Inne _loop>>
       For old in 1... 3 Coop
         dbms - output put-lire (hid is: 'Il hid II and oid is: 'Il oid);
    END Coop Print - Coopi
   END Coop outer-Coop;
ENA)
Lid is : I and old is : 1
Lid is 1 and old is 12
had is : 1 and old is 13
Led is: 2 and old is: 1
Lades: 2 and old is 12
Lede 12 and olde 13
Lad Po : 3 and old is 11
Lidis: 3 and oldis:2
Lid 9s is and old is; 3
```

```
Porogram Los only procedure:
coreate on replace procedure es information
 LC-id in number, c-name in varchar 2>
 begin
 dbms - output put - line ('ID: '11c-id):
 dbms - output put-line ( "Name !"// c-name)
 end;
price dure coreated
 exec as In Los mation (101, 'raam');
 PL/SOL procedure successfully completed
 set soverautput on;
 exec Cs ? ndormation (101, 'xaam');
 ID:101
 Name: 8aam.
Program for only dimitions
Create or replace Lunction ambormation
 (h-9d in number c-name in voictor 2)
Retion Voichon 2
Is
begen
94 (C-Pd > 200 Hen)
Retrom ('no booking available');
False
Return ('booking open')
Endif;
End;
Function created.
```

declaro

még vorchai 2 (200);

begin

mesg: = cs în bormalion 2 (102, 'vaam');

dbms- output. put-lire (mesg);

end;

/

Vehicle- aval lable.

declare

mesg vorchal 2 (200);

begin

mesg=cs îndosmation 2 (200, 'vaam');

dbms- output. put-lire (mesg);

end;

/

No vehicle available.

EX No.	
PERFORMANCE (S)	h
RESULT AND ANALYSIS (B)	Santa and a Santa and a santa
VIVA VOCE (3)	The second secon
RECORD (4)	1X
TOTAL (15)	()

Result: Thus the implementation of PC/381 procedures, Limitions and loops on member theory and business scenario was completed

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Takno: 7B
 Aim: To implement Pelson programs using loops doe pointing prime
number customer IDs and soo demons trating loop anto (?n
Procedue ?
1. storta PL/SOL Hock on procedue.
2. Use a cursors (if siequired) to fetch customer IDS from a
   table.
3. For each ID, check whether It is a prime number using a
   Loop.
4. Use for loop / while loop to demonstrate prime number decking
5. Paint the nesult using abons_ output.put-line.
G. End the block.
Using while loop with cwwo.
conecte consiplace procedione print-prime customer Is
   ccorsor cust - cus Ps
       select customer - id from customers:
   V-id number;
   V-18-prime . Boolean:
    V-i Number;
Begen
    open-cust-car;
    LOOP
     Fetch cust-cur Ponto V-Pd)
     Exit when cust-curil, Not formed;
     If V-Id 22 then
         V-Ps- prime := False;
       False
            V-B- prime! = Towe;
             V-1:=2)
             while V-ic = True (sort (v-9d) Coop.
               If MOD (V-1d, V-1) = 0 THEN
                    V-15-prime : = FALSE)
```

END IF;

```
V-1 1= V-1+1;
       END GOP;
     END IF;
   If V-B- Prime THEN
      DBMS-OUTPUT, PUT-LINE ('prime customer ID: 1/1V-9d);
    END If;
   END Loop;
    CLOSE - CUST-CUS;
 END;
Using Los loop for Fishet N paine Numbers.
Create or Replace procedure print-fixt-n-primes (n NUMBER) IS
   V- num & NUMBER 1=21
   V- cust Nursber: =0;
    V-Ps-prine Boolean;
Begin.
     while. V-count in Coop
     V-1s-poime : = TRUE;
      FOR! IN 2., TRUNC (SORT (V-num)) LOOP.
        IF MOD (V-num, ?) =0 THEN
           V-1s-porme 1= FALSE
            EXITI
          END IF;
        END LOOP!
        If V-IS-PORME THEN
          DBMS - output put-line ('poine: 1112- num);
           V-Count 1 = V- Count + 1/2 X NO.
                                  PERFORMANCE (S)
          END IF;
                                  RESULT AND ANALYSIS
           V-num: = V-num +1;
                                  VIVA VOCE (3)
                                  RECORD (4)
         END LOOP;
                                  SIGN WITH DATE
Result: Thus the Amplementation of PC/SBC procedures, Litting
and loops on number theory was completed.
```