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Task-7(a)
         PLISQL, Procedures, functions, Loops.
23-09-25
 Him: To implement PL/SQL procedures, functions and
 loops on number theory and bussiness sceneria.
 PL/SQL is a combination of SQL along with the
procedural features of programming languages. it
    developed by oracle comparation in the early
90's to enhance the capabilities of SQL. PYSAL
is one, three key programming languages embedded in
oracle database, along with SQL itself and Java.
simple program to print a sencence.
Syntax: Declare
        < declaration section>
        BEGIN
           < executable section>
        exception
           <exception handling>
        End;
Program:
   message varchar(20): = booking closed':
 DECLARE
  dbms-output. put-line (message):
BEGIN
END;
Dynamic Sulput Input!
set serveroutput on;
declare
    x number(5);
    4 number (5);
     2 number (9);
begin
 , X:=10;
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Z:=X+V

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dbms_output. Plut_line ('sum is' 4z);
   end;
   Output : Sum is 22
   declare
   vani integer;
   var 2 integer;
    vans integer;
    begin
      Van 1: & Van 1;
      varz: & varz;
      Uar 3; Q Vand+ var 2;
   dbins-output line (var 3);
   end;
  Enter values for var 1:20
  Old 6: vani: = Qvani;
  new 6; var 1: = 20;
  Enter value for Harz:30
 old 7; varz: = & varz;
  rew 7; Non 2: =30;
   50
 Declare
   hid Number (3) := 100;
 BEGUN
 doms-output. Prut-line (value of hid is 100).
 dbms, output. put_line( value of hid is 20');
else of (hid = 20) then
 doms-output. put line ( talue of hid is so!);
else : f (hid = 30) then
 dbms -output-put-line ('None of the value is matching
else
 dbms-output. put-line ('Exact value of hid is: "//hid)
end if
end;
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of the value is matching.
    exact value of hid is: 100
    ordone
      hid number (i);
      old number (1);
    Begin
        < out er_100p>>
     for hid in 1... 3 Loop
        << Inner Loop>>
     for old in 1... 3 Loop
     dbms - output. put_line ('hid is: 'Il hid ! ) and old is: 'llold
   end loop inner-loop;
  End loop outer_loop,
  end;
  output:
  hid is: 1 and old is: 1
  hid is: 1 and
                  old is: 2
  hid is to and old is:3
  hid is: 2 and old is:1
  hid is: 2 and old is: 2
  hid is: 2 and old is: 3
  hid is: 3 and old is:1
  hid is: 3 and old is: 2
 hid is: 3 and old is:3
 Program for only procedure.
 Create or replace procedure es information
 < c_id in number, c_name in vorchar 28
 îs
 begin
dbms-output put-line ( In: [nc-id);
dbms-output. put_line( Name: // c-name);
end;
procedure created
erees as information ( to of , roam');
        procedure Successfully completed
     server output on;
      cs information (101, 1 raam');
"yec
100:001
Mame: raam
```

Programi create or replace function as information (h-id in number, c-name in vanchar 2) Return varichars is Begin if ( 3d > 200. then Return ('no booking available'); Return ('booking ope'); end is: End: function created. deClare mesg varchar 2 (200); begin mesq: = cs in formation (102, 'raam'); dbms-output. put-line (mesg); end) vehicle available. dedore mesg varchan 2(200); begin mesq:=csinformation (206, 'raam'); dbm's output · put line (mesq); end: do vehicle available म 2 PERFORMANCE (5) RESULT AND ANALYSIS (3) VIVA VOCE (3) RECORD (4) **TOTAL (15)** SIGN WITH DATE implementation Result: Thus the & PL/SPL procedures, functions number theory and business sceneriu vou completed.

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23-09-25 PLISQL Procedure for Loops
Aim: so implement PL/SQL programs using loops
for printing prime number customen IDs and for demons-
-trating loop control in different scenarios.
Procedure:
1. Start a PL/SOL block or procedure.
2. Use a consor(if required) to fetch customerID from a
   table.
8. For each ID, check whether it is a prime number using
4. Use for loop (while loop to demonstrate prime number
   checking
5. Print the result using doms-output put-line
6. End the block:
Create or replace procedure print-prime customer Is
   cursor (Cost - cur is
      select customer_id from coustomers;
   Vaid Number;
   V- is-prime Boolean;
    V-i Number;
 BEGlin
    open cust-cur;
    loop
    fetch cust-cur into v-id;
    Exit when cost_Cun ! Not found;
     It v-id<2 · then
        V_i-prime: I false;
     Else
        v-iz-prime := True;
        V-1:=2;
        while W_i < = Tranc(sort(v-id)) loop
        If mod(1-19:1-1)=0 THEN
         V_is-prime: = false;
            Exit;
         END It;
         ソレートニーソードナ
     END loop;
     END It?
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If V-is-prime THEN
      DBMS-output - put - line ( prime customer [D: Uvid,
    END IT;
  END Loop;
 close cut-con;
End;
Create or replace procedure print_first_n_prime
 (n Number) is
   V_Num_number: = 2;
   V-Count number: =0;
    v- is-prime Boolean;
 Begin
        while v-counts a loop
        V-is-prime; = True;
        FOR: IN 2. TRUNC (SOTE (V-rum)) loop
        It mon [v-Num, i) = 0 . Then
         V-is-prime: = false
        Exit;
         END It!
      END loops
    · If V-is-prime Then
     Obms-output. put-line ('prime: 1/1 x num);
     v-count : = V - count +1;
     End If;
     V- num: = V- num + 1;
   End loop;
                                EX No.
                                PERFORMANCE (5)
End;
                                RESULT AND ANALYSIS ()
                                VIVA VOCE (3)
                                RECORD (4)
                                TOTAL (15)
                                SIGN WITH DATE
Resulti- the implementation of PL/SQL programs using for loops for printing prime number Customer RDC ....
                               successfully ompleted.
 Customen 20s
                     way
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