```
DATE 22/9/25
 TASK : 7 PROCEDURE FUNCTION AND LOOP :
USING PL / SQL PROCEDURE, FUNCTIONS &
 LOOPS
and loops on number theory and business
```

AIM: To Implement PL/ SQL produces, functions Scenarious. 1, Simple PLISQL program (static input) DECLARE

memage VAR(HARL(20) . = Booking closed'

BEGIN dbms-output - pot-line (message);

END.

OUTPUT !

Booking closed

2- Conditional statement (Dynamic input):

hid AtoMBER(3); =100; DECLARE

BEGIN

If (bid=10) THEN

dbms-output-put-line ('value of hich isio)

EISIF (hid = 20) THEN dbms-output. put-line l'value of hid is 20')

```
ELSIF(hid = 30) THEN
      dbms_output.put_line ( value of hid is 30);
 #13E
     dbms. output. put. Line ('None of the value's
                               matching);
 FNDTF;
     dbms - output . put line & C'Exact value
       of hid is [hid]);
  ENDI
 OUTPUT: None of the value is matching
          Exact value of hid in:100
3. Nested Loops example:
    DECLARE
       hid Number (1);
       oid Number(1);
    BEGIN
        cc outer-loop >>
      for hid IN 1 3 100p
     ec inner-loops)
      for oid / 111 1 ... 3 100p
       dbook-output put-line C'hid is: 11 hidlland
                              oid is : 11 out )
       END Loop inner loop;
    ENP 100P buter -100P;
```

```
FND
 OUTPUT.
  hid is and oid is 1
  hid is: 1 and oid is: 2.
  hid is; 2 and old is: 3
  hid is: 2 and oid is: 7
  hid is : 2 and oid is: 3
  hid is : 3 and old is:1
   Kid is 3 and oid is : 2
   hid is a andoid is: 3
 4. Prodeedure Example:
     CREATE OF REPLACE PROCEDURE
     booking-status (E-id IN NUMBER)
     15
            dbms-output. put. line(No booking
      If C-id >200. THEN
      BEGIN
                                available";
     ELSE dbms-output put line ("Booking
        END #;
      END;
   Exeaution:
        hooking-status(150);
hooking-status(250);
    Begin
        Booking open available
     EMD;
   OUTPUT.
      PL ISQL PROCEDURE FOR 200PS
Frample: using WHILE LOOP with
     comor prime check using while
                1000
```

```
CREATE OR REPLACE PROCEDERE Print-prime
    (URSDR COST_CON IS
                                  (os to mer' JD
          SELECT castamer-id FROM customer
          vid number;
          V-is _ prime Boolean;
          v-i Number:
     BEGIN
         open cust-coy;
           FETCH, IUST-LOY-INTO VIED .
      1000
        EXIT THEN LUST - CUY 1. NOTFOUND;
      If V-id L2 THEN
            V-15- prime := FALSE:
           V-15-prime == TRUE;
        ELEE
         WHILE X= C= TRUNC (SORT (V_id)loop
             If MOD (V-id IV-i) = O THEN
                Vis-Prime == FALSE:
                 EXIT:
             END IF;
              V-1:= 11-1+1;
           EMD LOOP;
        If Vis - prime THEN
             dbm)-output, put_Line l'prime
                                 lus to mexIP.
                                     1v -5d)
          END if;
          END 100P
          CT-DSE COST ~ CUS,
     The procedure checking all customer
           table and prints. The prime wing a WHILE + oop
     in The
105
    ones
```

```
Example 2: Using for Loop for first N
 (REATE OR REPLACE PROCEDURE print-
 First-n-primer (n number) Is.
     V-num Number == 2:
     V-count Number: =0;
    Y-is prime BOOLDAN;
BECTIN
    While V count a nloop
     V-15 -prine: = Trye.
   FOR I IN L TRUNG CSORT (V-HUM) LOOP
      If MOD(V-hum) = 0 THEN
         V-is-prime; = FALSE;
        Exit;
      ENID If;
     END LOOP;
      If V_is_prime THEM
         dbms-output-put-line (prime: "11r-num);
          v_count = v_count +1;
        FND If;
          V_num: = V_numti;
        EDIO TOOP:
    procedure prints The first N
prime humbers using a for Loop.
     print - Finst _n-prime (10):
 BEUIN
  ENO;
```

VELTEC	H
EXNO.	15/
PERFORMANCE (5) RESULT AND ANALYSIS (5) VIVAVOCE (5)	15
RECORD (5)	10/1
SNW TH DATE	22/21

Result: Thus, The procedure function PLISQL and loops program using PLISQL procedures, functions & loops are procedures, functions & loops are executed successfully.