Almi To inflement PLISOL Procedures functions and looks on Number theory and business scenosio.

## Panduc Parocedure:

PLISOL is combination of sol along with the Bourdow features of Bograming language It was developed by oracle coordination in the early go's to enhance the adabilities of son Phison is one of there key Programing language embanded in the pracle Rolabase along with sol itself and Java.

selection & rescription

u Pedronations

This section abords with the keyword DECLARE. It is on oftend section and defines all variable cursors subPoragram and another cloned to be used in Inagram

2 Executable commands.

This section is enclosed blow keywords DEGIN and and it is a mondatory section It contains at exect PLID

3. Exertion Handling

The section statts with keyword ExcEPTION This oldioral section condains exceltion (3) the hardle other in Bogrom

```
simile Pagnan to Print a sentence
syndox
       Ldeclaration section)
       BEGIN
       Lexectable commend (s) >
        EXCEP STON
        Letrec Poton handling >
           END;
Bobrow .
       DECLARE
       message worker e (20): = booking closed;
    BEGIN
        doms - outlat - hat - line (message);
     END:
 Static in w
   sol s set somerout on
  son > declare
     a x number (s);
     3 y number (5);
    4. X number (a);
     5 begin
      K 15 10)
         4:= 12
       21= x + y;
        dbms - outled - Put - line ("sum is" :: 7);
       end;
```

```
som is LL
PL (sor Procedure successfully completed.
 Dheavic July
  set sowerout Put on:
   declare
   x number (5):
   Y number (5);
   -2 number (a);
   being
   K! = 10)
   4 : = 12)
   £ 1= x+Y;
  dbms - oulful - line ('som is 112);
   end;
 201 > declare
   2- um 1 mleger;
                          Ender value for var 1:20
   J. vorz integer;
   4 works integus
                             old 6: von 1 = von 1)
   s begin
                            New 6: von1: : u,
  6. vox 1 ! L vox 1;
                             enter value for von 2:00
  7 vor 2 ! 1 vor 2 ;
                              now 7 : vore : L var e;
   8 mos 3 1 mos 1 + more;
                              ven. 1 : nort : = 30)
   9 dans -out Put Tut-line
                                   Uan 3.
   to rend
   PL (sol Porocedure successfully completed..
```

```
DECLARE
   hid number (3) 1 =100)
BEGIN
  JE (PIG=10) LHEN
 dbms-outred itel - line ('value of hid is 10');
    ELSTF (Lid = 20) THEN.
    dome - out that line ('value of hid is 20);
    Erade (rig =30) ALEN
    dome -out Put -line ('value of hid . is so');
      ELSE
     db me-outfut . Put-line ('Nome of the value is matching!
      END BF;
dbms -output - Put - line ( Exact value of hid is u hid);
    END ;
 Name of the values is matching
  Evact values of hid is 100
  PLISOL Porocedure successfully completed
 DECL ARE
       hid number (1);
       oid number (1);
 BEGIN.
      Kouter loop >x
     for hid 2 nd 1.3 Loo?
           << inher_ Loop >>
           FOR old IN 1... 3 Loop
               dome-out Rut - line hidis: " 11 hid !!"
                  il bio 11 : 23 bio bio
```

```
END 1001 inner-1001;
 END (00) outer -100);
END;
hid is 11 and oid is 11
hid is 11 and old is 12
hid is 11 and old is 13
hid is :2 and oid is !!
hid is 12 and oid is 12
hid is 12 and old is 13
hid is 13 and old is 11
Lid is and old is 12
hid is 13 and oid is 13
PLISOL Procedure successfully completed
smilk Porgram for only Porocedore
sons coule or replace Procedure c is information
 Or cis in number c-home in northon
 3 45
 u begin
 5 dome - out Put - Put - line x PP, 11c - id;
6. dbme - outiled - Put time < Nome 11 c-names );
7 end,
 Porocedure greate
 SOL) exec information <10, 'rom's
 DL 1801 Parocedure successibily completed
```

```
son > set serve outile on;
SOL ) execes information < 101 rom's
JU 1101
Nome : Staam
PLISOL Procedure successibilly completed
smile Biogram for only function.
son > create or selloce function ce information haid
 in number c-nome in worker, Redurn vorchonz
    Ps.
    Begin
    38 cids codbons
    Return (no booking austable",
    else
    Return ( booking ofen );
    End if;
    End;
 function created
 sor > declare
  2. mesq vorchor 2 <200)
 3. begin
 4 mesq o c & information a clo & ream's.
 5. dbms - golfal Dat -line < meas.
 c- end; /
 7. 1
```

uehicle aviolable SOL > declose 2 mesq vorchos

2 mesq varchas 2 < 2003)

3 begin

4. meso; ce information 2 2206; room's;

I doins = outlied Pul - line < megg>;

6. end;

7 1

No vehicle avalible PL (sor Procedure successfully comilleted.

VELTEC	H
EX No.	b
PERFORMANCE (3)	6
RESULT AND ANALYSIS (5)	6
VIVA VOCE (5)	6
RECORD (5)	
10TAL (20)	16
SIGN WITH DATE	( -
	16/0/0
	10/0/19

Result: Thus implementation of PLIDL Produce for looks and function has been successfully completed

## Task-7-1 PL/SOL POTOCEdure for Lools

Aim: no write PL look Porgrem using looks for Printing Prime number customer ips and for demonstration look control in difficult scenomory

Paracedure:

1. Start a Pi (soi block or Parodure

2. use a cursor (if suggisted) to fetch customer IPS

for a table

3. For each ip, cheek whether it is a Prime

nomper ozing a loop

4. USE FOR LOOP | WHILE LOOP to demonstrate Prime

number checking

+ Point the sesult using DBMS-OUTPUT POT-LINE

6. End the block

Example 6: using while loop with cursor

Prime check using WHSLF 1008

CREATE OR REPLACE PROCE PORE Print-Prime - customer i

cursor cust - cur 98

u-id Number;

4- is - Parme BOOLEAN ;

4- Y- NUMBER ;

BEECH

ofer cost - cor;

FETCH CUST - CON INGO U-id;

```
EXET WHERE CUST - COY - NOT FOUND:
IP U-id KL THEN.
   u is- laime 1 = FALSE )
BLSE
 uris-Prime ; = TRUE ;
  u-1 : = 2!
   WHERE ULIX= TRUE (SORT (ULIA)) COOP
      IF mod (u.id, ui) =0 THEM
             U -is- Prime = FALSE;
             Ex IT;
          END IF;
          U-1: = 11-141:
          EMP LOOP,
        END OF ;
   IR U-is-Posine THEN
        OBMIS- OUTPUT. PUT - LINE (Prime customer 2P: 114)
  ENDSF;
  END LOOP;
  CLOSE cust - cur;
 ENP;
this Paropedore checks all costomer ips in other
table and Prints the Prime ones using a while
 Ex 2 using For Loof for First N Prime Number
```

```
CREATE OR REPLACE PROCEDURE Print-First-n-Prime (nomb
     U-num NumBERS != 2;
     U-count NAME NUMBERS != 0;
      U-18 - Prime BOOLEAN;
  BEGGN
     WHEP
      WHILE 4- count < n Loop
           4-12 - Prime : = 1AUE
       FOR; IN & TRUEL (SORT (u-num)) Loo?
           If MOD (u-numi) so THEN
              u _is - Prime := FALSE;
               EXIT ;
            END SF)
           ENTO LOOP;
         SE 0-13- Joine THEN
              DOMS -OUT PUT. PUT - LINE (Paime 11 U-num);
              u- count 1 = u - count +1;
          EMD SF
        7- Uow : = 11- Uow +1;
        END LOOP;
    END ;
 This Procedure Prints the first N Prime number
   using to a for loop
```

tob example

BEGGN

Paint - First - n - Paines (10);

END;

VEL TECH-CSE	
EX NO.	6
PERFORMANCE (5)	6
RESULT AND ANALYSIS (5)	6
VIVA VOCE (5)	5
RECORD (5)	11
TOTAL (20)	16
SIGN WITH DATE	2

Result: Thus imPlementation of DL 1301 Poro reduce Function and looks on number theory has been successfully executed