30/3/23

Exp — 9 PL/SOL Conditional and Sterestive Steelements

Aim: To manipulate Conditional & Iterative statements in PL/SUL.

PL/SOL Ps a combination of SOL along with procedural features of programming languages.

Its grouped into structures called bracks.

Consists of 3 sections: declarion section, executable section and exception section.

declare

(declaration section)

begin

(executable commands)

exception

(exception hondry)

SOLY @ finename

end :

Creating and Executive PLISBL Programs

Edit PL/SQL i- text fire and save with sql

extension. In oracle execute >

SQL> set server output on;

l'execute program using following comes.

SQL> start fre name, or

01) Oth Run the following query Declare a number; b number; c numberi Begin dbms_output, put line ('Enter a: '); a:=da; dbms_output. put-line ('Enter 5: '). dbms-output. put-line ('anterc: '); d bms-outril o putline ('NUMBERS'); IF asb AND ascTHEN dbms_output.put_line ('A is MAXIMUM'); ELSIF (b>9) AND (b>c) THEN db ms-output. put-line ('Bis MAXIMUM'); dbms-output. put-line ('C es Maximum'); ELSE END IF; :013

SOL > @ (: 1 Usay | Admanistrator | Desitoplexp9:

Enter value for a: 52

ald 7: a: = 69

new 7: a: = 52;

Ender value for b: 23

old 9: 68 = 26,0

New 9: 6:= 23;

Exter value for c: 42

Old 11: C:= 61c;

new 11: C6=92,

Custer 9:

cuter b:

Cuter c:

NUMBERS

A is Maximum

PL/SOL procedure successfully conflèted.

(SP

```
Q2} write a Program to swap too numbers
        Declare
        a number !
        b number;
        temp number;
        Begin
        obms_output. put-line ('enter a: ');
        dbms - output. put-line ('autorb: ');
         dbms-output put line ('Before Sweep');
         albons-output. put-line ('A = ' | a);
          dbms-output. put-line ('B = 1116);
          dem temp: = a;
                a := b
                 b: = extemp;
            dbms-out. put line ('After Swap');
            dbms-output. put-line ('A = '11 a);
dbms-output. put-line ('B = '11 b);
             Curdi
```

Enter a : 21

old 7: 9:= 69

new 7: 9:= 21;

Enter b: 35

ald 9: 6:= 66

new 9: 16:=35

Ender a!

Custon b:

Before Swap

A = 21

B = 35

After Swap

A = 35

B = 21

3 P

03/ Write a PL/SOL program to write factoried of given number.

Declare

n Number;

fact Number:=1;

Begin;

n=kn;

for i IN 1... n 200P

fact:= fact*i;

END Loop;

DBMS-Output. Put-line ('factorial of' || n|| = 1)

fact;

DBMS-Output. Put-line ('factorial of' || n|| = 1)

fact;

END;

: topte ()

ender n: 5

seeve

old 7: n:= kn

new 7: n: = 5

50 + 1120

factorial of 5 = 120

(0)P