Ex No:7   **SIMPLEPL/SQLPROGRAMS with CONTROL STRCTURE**

Date : 23.03.2023

Aim:

       To work with simple SQL programs with control structures for e commerce database management.

PROCEDURE

STEP 1: Start

STEP 2: Initialize the necessary variables.

STEP 3: If the price is less than 10000 then price=price-(price*0.05)

STEP 4: If the price is less than 25000 and more than 10000 then price=price-(price*0.1)

STEP 5: If the price is more than 25000 then price=price-(price*0.2)

STEP 6: Execute the statements.

STEP 7: Stop.

CODING:

1. **MULTIPLICATION TABLE**

```
sql>set serveroutput on
declare
a number;
begin
a:=&a;
for i in 1..10
loop
dbms_output.put_line(a*i);
end loop;
end;
/
```

```
anonymous block completed
7
14
21
28
35
42
49
56
63
70
```

2.SIMPLE INTREST

sql>set serveroutput on
declare
principle number;
rate number;
time1 number;
si number;
begin
principle:=&principle;
rate:=&rate;
time1:=&time1;
si:=(principle*rate*time1)/100;
dbms_output.put_line('SIMPLE INTREST:'||si);
end;
/

```
principle:=100000;
rate:=1;
time1:=2;
si:=(principle*rate*time1)/100;
dbms_output.put_line('SIMPLE INTREST:'||si);
end;
anonymous block completed
SIMPLE INTREST:2000
```

3.TWO POSITIVE NUMBERS

sql>set serveroutput on;
declare
num1 number;
num2 number;
begin
num1:=&num1;
num2:=&num2;

```
if num1>0 and num2>0 then
dbms_output.put_line('BOTH ARE POSITIVE');
else
dbms_output.put_line('BOTH ARE NOT POSITIVE;');
end if;
end;
/
```

```
num1:=-45;
num2:=20;
if num1>0 and num2>0 then
dbms_output.put_line('BOTH ARE POSITIVE');
else
dbms_output.put_line('BOTH ARE NOT POSITIVE;');
end if;
end;
anonymous block completed
BOTH ARE NOT POSITIVE;
```

CHECK FOR THE DISCOUNT:

SET SERVEROUTPUT ON;

DECLARE

totalPrice number;

discount number;

BEGIN

dbms_output.put_line('Enter value:');

totalPrice:=&totalPrice;

if totalPrice<10000 then

discount:=totalPrice*0.05;

totalPrice:=totalPrice-discount;

elsif totalPrice<25000 and totalPrice>10000 then

discount:=totalPrice*0.1;

totalPrice:=totalPrice-discount;

else

discount:=totalPrice*0.2;

totalPrice:=totalPrice-discount;

end if;

dbms_output.put_line('Amount to be paid:'||totalPrice);

end;

/

```
anonymous block completed

Amount to be paid:18000
```

Parameter	Marks
Algorithm(10)	
Code(15)	
Total(25)	

RESULT:

Thus the PL/SQL block for different controls are verified and executed for the e commerce database.