Practical No.3

1.

**CODE:**

SQL> create table hotelX

2 (roomid number(3),

3 no\_of\_rooms number(3),

4 floor number(3))

5 /

Table created.

SQL> insert into hotelX

2 values(101,1,1);

1 row created.

SQL> insert into hotelX

2 values(102,2,1);

1 row created.

SQL> insert into hotelX

2 values(201,3,2);

1 row created.

SQL> insert into hotelX

2 values(202,4,2);

1 row created.

SQL> insert into hotelX

2 values(301,5,3);

1 row created.

SQL> select \* from hotelX;

ROOMID NO\_OF\_ROOMS FLOOR

---------- ----------- ----------

101 1 1

102 2 1

201 3 2

202 4 2

301 5 3

SQL> declare

2 rid number :=&roomid;

3 nor number ;

4 begin

5 select no\_of\_rooms into nor from hotelX where roomid=rid;

6 if nor =1 or nor=2 then

7 dbms\_output.put\_line('small');

8 elsif nor=3 or nor=4 then

9 dbms\_output.put\_line('fairly big');

10 else

11 dbms\_output.put\_line('lots of rooms');

12 end if;

13 end;

14 /

**OUTPUT:**

Enter value for roomid: 102

old 2: rid number :=&roomid;

new 2: rid number :=102;

PL/SQL procedure successfully completed.

SQL> set serveroutput on;

SQL> /

Enter value for roomid: 102

old 2: rid number :=&roomid;

new 2: rid number :=102;

small

2.

**CODE:**

SQL> declare

2 operand number:=&op;

3 num1 number:=&m1;

4 num2 number:=&m2;

5 begin

6 if operand=1 then

7 dbms\_output.put\_line(num1+num2);

8 elsif operand=2 then

9 dbms\_output.put\_line(num1-num2);

10 elsif operand=3 then

11 dbms\_output.put\_line(num1\*num2);

12 elsif operand=4 then

13 dbms\_output.put\_line(num1/num2);

14 end if;

15 end;

16 /

**OUTPUT:**

Enter value for op: 1

old 2: operand number:=&op;

new 2: operand number:=1;

Enter value for m1: 1

old 3: num1 number:=&m1;

new 3: num1 number:=1;

Enter value for m2: 2

old 4: num2 number:=&m2;

new 4: num2 number:=2;

3

PL/SQL procedure successfully completed.

3.

**CODE:**

SQL> declare

2 grade char(1):='&grade';

3 appraisal varchar2(20);

4 begin

5 CASE grade

6 when 'A' then

7 dbms\_output.put\_line('Excellent');

8 when 'B' then

9 dbms\_output.put\_line('Very Good');

10 when 'C' then

11 dbms\_output.put\_line('Good');

12 when 'D' then

13 dbms\_output.put\_line('fair');

14 when 'F' then

15 dbms\_output.put\_line('poor');

16 Else

17 dbms\_output.put\_line('no such grade');

18 end case;

19 end;

20 /

**OUTPUT:**

Enter value for grade: B

old 2: grade char(1):='&grade';

new 2: grade char(1):='B';

Very Good

PL/SQL procedure successfully completed.

4.

**CODE:**

SQL> declare

2 operand number(2):=&op;

3 num1 number(2):=&m1;

4 num2 number(2):=&m2;

5 begin

6 Case operand

7 when 1 then

8 dbms\_output.put\_line(num1+num2);

9 when 2 then

10 dbms\_output.put\_line(num1-num2);

11 when 3 then

12 dbms\_output.put\_line(num1\*num2);

13 when 4 then

14 dbms\_output.put\_line(num1/num2);

15 end case;

16 end;

17 /

**OUTPUT:**

Enter value for op: 3

old 2: operand number(2):=&op;

new 2: operand number(2):=3;

Enter value for m1: 1

old 3: num1 number(2):=&m1;

new 3: num1 number(2):=1;

Enter value for m2: 2

old 4: num2 number(2):=&m2;

new 4: num2 number(2):=2;

2

PL/SQL procedure successfully completed.