**PROCEDURES**

**PROGRAM 17:program to find the minimum of two values**

SQL> Create or Replace PROCEDURE findMin(x IN number, y IN number, z OUT number) IS

2 BEGIN

3 IF x < y THEN

4 z:= x;

5 ELSE

6 z:= y;

7 END IF;

8 END;

9 /

Procedure created.

SQL> DECLARE

2 a number;

3 b number;

4 c number;

5 BEGIN

6 a:= &a;

7 b:= &b;

8 findMin(a, b, c);

9 dbms\_output.put\_line(' Minimum value is: ' || c);

10 END;

11 /

Enter value for a: 256

old 6: a:= &a;

new 6: a:= 256;

Enter value for b: 157

old 7: b:= &b;

new 7: b:= 157;

Minimum value is: 157

PL/SQL procedure successfully completed.

**PROGRAM 18:computes the square of value of a passed value**

SQL> Create or Replace PROCEDURE squareNum(x IN OUT number) IS

2 BEGIN

3 x := x \* x;

4 END;

5 /

Procedure created.

SQL> DECLARE

2 a number;

3 BEGIN

4 a:= &a;

5 squareNum(a);

6 dbms\_output.put\_line(' Square is : ' || a);

7 END;

8 /

Enter value for a: 25

old 4: a:= &a;

new 4: a:= 25;

Square is : 625

PL/SQL procedure successfully completed.

**PROGRAM 19: A Procedure called Deposit is created and stored in database. Create the table customer(A/c no, balance) and update the balance using the procedure Deposit.**

SQL> create table customers(accno number(10),balance number(6));

Table created.

SQL> insert into customers values(&accno,&balance);

Enter value for accno: 162007008

Enter value for balance: 45000

old 1: insert into customers values(&accno,&balance)

new 1: insert into customers values(162007008,45000)

1 row created.

SQL> /

Enter value for accno: 162005904

Enter value for balance: 12500

old 1: insert into customers values(&accno,&balance)

new 1: insert into customers values(162005904,12500)

1 row created.

SQL> /

Enter value for accno: 1926704

Enter value for balance: 80000

old 1: insert into customers values(&accno,&balance)

new 1: insert into customers values(1926704,80000)

1 row created.

SQL> /

Enter value for accno: 14550023

Enter value for balance: 1000

old 1: insert into customers values(&accno,&balance)

new 1: insert into customers values(14550023,1000)

1 row created.

SQL> select \* from customers;

ACCNO BALANCE

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162007008 45000

162005904 12500

1926704 80000

14550023 1000

SQL> set serveroutput on

SQL> create or replace procedure deposit(id in number, amt in number)is

2 begin

3 update customers set balance=balance+amt where accno=id;

4 end;

5 /

Procedure created.

SQL> Declare

2 accno number(10);

3 amt number(6);

4 begin

5 accno:=&accno;

6 amt:=&amt;

7 deposit(accno,amt);

8 commit;

9 end;

10 /

Enter value for accno: 162007008

old 5: accno:=&accno;

new 5: accno:=162007008;

Enter value for amt: 45000

old 6: amt:=&amt;

new 6: amt:=45000;

PL/SQL procedure successfully completed.

SQL> select \* from customers;

ACCNO BALANCE

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162007008 90000

162005904 12500

1926704 80000

14550023 1000