**Ex.No.:6A**

**IN & OUT MODE – EXAMPLE 1 PROCEDURE**

**Date**

**Main Program 1:**

DECLARE

a number;

b number;

c number;

BEGIN

a:= 23;

b:= 45;

findMin(a, b, c);

dbms\_output.put\_line(' Minimum of (23, 45) : ' || c);

END;

/

**Procedure program 2:**

Create or replace PROCEDURE findMin(x IN number, y IN number, z OUT number) IS

BEGIN

IF x < y THEN

z:= x;

ELSE

z:= y;

END IF;

END;

/

**Output:-**

Sql> @ pgm2

Procedure created

Sql> pgm1

Minimum of (23, 45) : 23

PL/SQL procedure successfully completed.

**Ex.No.:6B**

**IN & OUT MODE – EXAMPLE 2 PROCEDURE**

**Date**

**Main Program 1:**

DECLARE

a number;

BEGIN

a:= 23;

squareNum(a);

dbms\_output.put\_line(' Square of (23): ' || a);

END;

/

**Procedure program 2:**

Create or replace PROCEDURE squareNum(x IN OUT number) IS

BEGIN

x := x \* x;

END;

**Output:-**

Sql> @ pgm2

Procedure created

Sql> pgm1

Square of (23): 529

PL/SQL procedure successfully completed.

**Ex.No.:6C**

**PROCEDURE – STUDENT DB**

**Date**

**SQL>** **create table stud(rno number(2) NOT NULL,mark1 number(3),mark2 number(3),total number(3),primary key(rno));**

Table created.

**SQL>** desc stud;

Name Null? Type

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

RNO NOT NULL NUMBER(2)

MARK1 NUMBER(3)

MARK2 NUMBER(3)

TOTAL NUMBER(3)

**SQL> select \* from stud;**

RNO MARK1 MARK2 TOTAL

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

1 80 85 0

2 75 84 0

3 65 80 0

4 90 85 0

**SQL> create or replace procedure studd(rnum number) is**

2 m1 number;

3 m2 number;

4 total number;

5  **begin**

6 select mark1,mark2 into m1,m2 from stud where rno=rnum;

7 if m1<m2 then

8 update stud set total=m1+m2 where rno=rnum;

9 end if;

10 **end;**

11 /

**Procedure created.**

**OUTPUT:-**

**SQL**> **exec studd(1);**

PL/SQL procedure successfully completed.

**SQL> select \* from stud;**

RNO MARK1 MARK2 TOTAL

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

1 80 85 165

2 75 84 0

3 65 80 0

4 90 85 0

**Ex.No.:6D**

**PROCEDURE – EMPLOYEE DB**

**Date**

**SQL>** **create table emp(eno number(2),ename varchar2(18),dno number(3),sal number(8),primary key(eno));**

Table created.

**SQL>** **desc emp;**

**Name Null? Type**

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

ENO NOT NULL NUMBER(2)

ENAME VARCHAR2(18)

DNO NUMBER(3)

SAL NUMBER(8)

**SQL>** **select \* from emp;**

**ENO ENAME DNO SAL**

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

1 Akshaya 102 0000

2 Srikantan 105 12000

3 Banupriya 100 32000

4 Chamundi 100 28000

5 Janani 101 24000

6 Subha 100 20000

7 Sridhar 105 35000

8 Shree 105 10000

9 Krithi 103 29000

9 rows selected.

**SQL> create or replace procedure emsal(enum number) is**

2 s1 number;

3 sal number;

4 **begin**

5 select sal into s1 from emp where eno=enum;

6 if s1>30000 then

7 update emp set sal=s1+500 where eno=enum;

8 end if;

9 if s1<30000 then

10 update emp set sal=s1+250 where eno=enum;

11 end if;

12 **end;**

13 /

**Procedure created.**

**OUTPUT:-**

**SQL>** **exec emsal(8);**

PL/SQL procedure successfully completed.

**SQL> select \* from emp where eno=8;**

**ENO ENAME DNO SAL**

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

8 Shree 105 10000