***Procedures with IN and OUT parameters:***

***Example 1:***

***Write a procedure to get deptno as input paramter and return total salary using out parameter.***

CREATE OR REPLACE PROCEDURE TOTSAL\_PRO1(

P\_DEPTNO IN NUMBER,

P\_TSAL OUT NUMBER) IS

V\_TOT NUMBER;

BEGIN

SELECT SUM(SAL) INTO V\_TOT FROM EMP

WHERE DEPTNO=P\_DEPTNO;

P\_TSAL:=V\_TOT;

END;

*Executing procedure.*

DECLARE

V\_A NUMBER;

V\_T NUMBER;

BEGIN

V\_A:=10;

TOTSAL\_PRO1(V\_A,V\_T);

dbms\_output.put\_line('Total Salary is :'||V\_T);

END;

***Example 2:***

***Write a procedure to get two numbers as input and return total and average using out variable..***

CREATE OR REPLACE PROCEDURE TOTAVG2NOS\_PRO2(p\_no1 IN NUMBER,

p\_no2 IN NUMBER,

p\_tot OUT NUMBER,

p\_avg OUT NUMBER) IS

v\_t NUMBER;

v\_a NUMBER;

BEGIN

v\_t:=p\_no1+p\_no2;

v\_a:=v\_t/2;

p\_tot:=v\_t;

p\_avg:=v\_a;

END;

*Executing procedure.*

DECLARE

A NUMBER;

B NUMBER;

C NUMBER;

D NUMBER;

BEGIN

A:=10;

B:=40;

totavg2nos\_pro2(A,B,C,D);

dbms\_output.put\_line('Total value is:'||C);

dbms\_output.put\_line('Average value is:'||D);

END;

***Example 3:***

***Write a procedure to get Job name and return how may employees are there with this job.***

CREATE OR REPLACE PROCEDURE job\_count(

p\_job IN VARCHAR2,

p\_count OUT NUMBER) IS

v\_c NUMBER;

BEGIN

SELECT count(\*) INTO v\_c FROM EMP

WHERE job=p\_job;

p\_count:=v\_c;

END;

*Executing procedure.*

DECLARE

v\_job VARCHAR2(20);

v\_emp NUMBER;

BEGIN

v\_job:='MANAGER';

job\_count(v\_job,v\_emp);

dbms\_output.put\_line('Number of employees :'||v\_emp);

END;

Lab:

1. Create a procedure to get 3 numbers as input parameters and return total

and average using out parameters.

2. Create a procedure to get deptno as input and return total and average

salary.

3. Create a procedure to get empno as input and return salary and total

salary using out parameters.

4. Create a procedure to get job as input and return highest salary in given

job using out parameter.