**ASSIGNMENT 8**

PL/SQL

**1.Write a PL/SQL block of code to update salary of employee ‘7788’ to 35000 if the salary is less than 35000**.

DECLARE

Salary emp.SAL%TYPE;

BEGIN

Select SAL into Salary from emp where EMPNO=7788;

IF Salary>35000 then

UPDATE emp SET SAL=35000 where EMPNO =7788;

COMMIT;

END IF;

END;

/

**2. Write a PL/SQL block of code to insert all details of employee ‘7698’ to a new table temp\_emp, which has same structure as emp table.**

CREATE TABLE temp\_emp AS SELECT \* FROM emp WHERE 1=2;

DECLARE

newrec emp%ROWTYPE;

BEGIN

SELECT \* INTO newrec FROM emp WHERE empno = 7698;

INSERT INTO temp\_emp VALUES ( newrec.empno, newrec.ename, newrec.job,newrec.mgr,newrec.hiredate,newrec.sal ,newrec.comm,newrec.deptno );

COMMIT;

END;

**3.Write a PL/SQL block of code to display one’s name like “Hello ’, Whatever entered at run time.**

SET SERVEROUTPUT ON;

DECLARE

name VARCHAR2(20);

BEGIN

name := '&name';

DBMS\_OUTPUT.PUT\_LINE ('Hello '|| name);

END;

/

**4. .Write a PL/SQL block of code to print first 50 whole no.**

BEGIN

FOR counter in 1..50 LOOP

DBMS\_OUTPUT.PUT\_LINE(counter);

END LOOP;

END;

/

**5.Write a PL/SQL block of code to update the commission of employee number 7369 to Rs. 3000 if it NULL; else raise his commission by 25%.**

DECLARE new\_comm emp.COMM% TYPE;

BEGIN

SELECT comm INTO new\_comm FROM emp WHERE empno=7369;

IF new\_comm IS NULL THEN

Update emp set comm=3000 where empno=7369;

ELSE

Update emp set comm=comm\*0.25 where empno=7369;

END IF;

COMMIT;

END;

**6. Write a PL/SQL block of code to print even number between 1 and 10 using for loop.**

BEGIN

FOR counter IN 1..10 LOOP

IF MOD(counter, 2) = 0 THEN

DBMS\_OUTPUT.PUT\_LINE(counter);

END IF;

END LOOP;

END;

/

**7.Write a PL/SQL block of code that will allow 5% salary increment of an employee (emp number should be taken from user) if the employee working in the organization more than 22 year.**

SET SERVEROUTPUT ON;

DECLARE

Edate emp.hiredate%TYPE;

eno emp.empno%TYPE;

BEGIN

DBMS\_OUTPUT.PUT('Enter employee ID: ');

eno := '&empno';

SELECT HIREDATE INTO Edate FROM EMP WHERE empno = eno;

IF (SYSDATE - Edate) > 22 \* 365 THEN

UPDATE emp SET sal = 1.05 \* sal WHERE empno = eno;

DBMS\_OUTPUT.PUT\_LINE('Salary incremented successfully');

ELSE

DBMS\_OUTPUT.PUT\_LINE('Less than 22yrs');

END IF;

END;

/

*Enter value for empno: 7902*

*old 6: eno := '&empno';*

*new 6: eno := '7902';*

*Enter employee ID: Less than 22yrs*

*PL/SQL procedure successfully completed.*