Assignment-8

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

```
SET SERVEROUTPUT ON
DECLARE
        s emp1.sal%type;
BEGIN
        SELECT sal into s from emp1 WHERE empno=7788;
        IF s<35000 THEN
                UPDATE emp1 SET sal=35000 where empno=7788;
        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 emp1 WHERE 1=2;

SET SERVEROUTPUT ON
DECLARE
        newrec emp1%rowtype;
BEGIN
        SELECT * INTO newrec FROM emp1 WHERE empno=7698;
        INSERT INTO temp_emp VALUES (newrec.empno, newrec.ename,newrec.job, newrec.mgr,
        newrec.hiredate, newrec.sal, newrec.comm, newrec.deptno);
END;
```

3. Write a PL/SQL block of code to display ones name like "Hello <Name>', whatever the name you have entered at run time.

```
SET SERVEROUTPUT ON
DECLARE
        a VARCHAR2(10);
BEGIN
        a :='&a';
        dbms_output.put_line('HELLO'||a);
END;
```

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

```
SET SERVEROUTPUT ON
DECLARE
        a NUMBER(2);
BEGIN
        FOR a in 1..50
        LOOP
                dbms_output.put_line('value'||a);
        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%.

```
SET SERVEROUTPUT ON
DECLARE
        c emp1.comm%type;
BEGIN
        SELECT comm into c from emp1 WHERE empno=7369;
        IF c IS NULL THEN
                UPDATE emp1 SET comm=3000 WHERE empno=7369;
        ELSE
                c := c*1.25;
                UPDATE emp1 SET comm=c WHERE empno=7369;
        END IF;
END;
```

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

```
SET SERVEROUTPUT ON
DECLARE
        a NUMBER;
        r NUMBER;
BEGIN
        FOR a IN 1..10 LOOP
                r :=MOD(a,2);
                IF r=0 THEN
                        dbms_output.put_line('Even No'||a);
                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
        emp_no emp.empno%type;
        salary emp.sal%type;
        hire_month number(4);
BEGIN
        emp_no :=&emp_no;
        select MONTH_BETWEEN(sysdate, hiredate) into hire_month from emp where
        empno=emp_no;
        if (hire_month > 12*22) then
                update emp set sal =sal*1.05where empno = emp_no;
        end if;
END;
```