PL/SQL Assignment

Name: Krunal Rank

Roll No: U18CO081

Class: BTech 2nd Year

Division: B

TABLE CREATION:

```
set serveroutput on size 30000;

CREATE TABLE EMP(

    EmpNo NUMBER(4) PRIMARY KEY,

    Ename VARCHAR(30),

    Job VARCHAR(15),

    Sal NUMBER(8,2),

    DeptNo NUMBER(2),

    Commision NUMBER(7,2));

INSERT INTO EMP VALUES (101, 'Lisa', 'Clerk', 20000.00, 10, 550.00);

INSERT INTO EMP VALUES (102, 'Jennifer', 'Analyst', 50000.00, 10,
500.00);

INSERT INTO EMP VALUES (103, 'Joseph', 'Senior Analyst', 70000.00, 10,
600.00);

INSERT INTO EMP VALUES (104, 'David', 'Scientist', 70000.00, 20,
550.00);

INSERT INTO EMP VALUES (105, 'Mathew', 'Clerk', 20000.00, 20, 550.00);

INSERT INTO EMP VALUES (106, 'Amit', 'Programmer', 55000.00, 30,
600.00);
```

1.

```
DECLARE

    cEName EMP.Ename%TYPE;

    cEmpNo EMP.Empno%TYPE;

    cJob EMP.Job%TYPE;

    CURSOR cur IS

        SELECT Empno,Ename,Job FROM EMP WHERE EMP.deptno=10;

BEGIN

    OPEN cur;

    LOOP

    FETCH cur INTO cEmpNo,cEName,cJob;

        EXIT WHEN cur%NOTFOUND;

        DBMS_OUTPUT.put_line(cEmpNo||'          '||cEName||'
'||cJob);

    END LOOP;

    CLOSE cur;

END;

/
```

```
101         Lisa         Clerk
102         Jennifer        Analyst
103         Joseph       Senior Analyst


PL/SQL procedure successfully completed.
```

2.

```
DECLARE

    CURSOR cur IS SELECT * FROM EMP;

BEGIN

    UPDATE EMP

        SET EMP.sal =

            CASE

                WHEN Emp.deptno=10 THEN Emp.sal + 1000

                WHEN Emp.deptno=20 THEN Emp.sal + 500

                WHEN Emp.deptno=30 THEN Emp.sal + 800

            END;

    FOR rec in cur

    LOOP

        DBMS_OUTPUT.put_line(rec.empno || '         ' || rec.ename || '
' || rec.job || '         ' || rec.sal || '         ' || rec.sal || '
' || rec.commision);

    END LOOP;

END;

/
```

```
101         Lisa         Clerk         21000         21000         550
102         Jennifer         Analyst         51000         51000         500
103         Joseph         Senior Analyst         71000         71000         600
104         David         Scientist         70500         70500         550
105         Mathew         Clerk         20500         20500         550
106         Amit         Programmer         55800         55800         600

PL/SQL procedure successfully completed.
```

3.

```
DECLARE
    CURSOR cur IS
        SELECT Ename FROM EMP WHERE EMP.sal<50000;
BEGIN
    FOR rec in cur
    LOOP
    DBMS_OUTPUT.put_line(rec.ename);
    END LOOP;
END;
/
```

```
Lisa
Mathew

PL/SQL procedure successfully completed.
```

4.

```
DECLARE
BEGIN
    UPDATE EMP
        SET EMP.sal =
            CASE
                WHEN Emp.deptno=10 THEN Emp.sal + 1000
```

```
                WHEN Emp.deptno=20 THEN Emp.sal + 500

                WHEN Emp.deptno=30 THEN Emp.sal + 800

            END;

    DBMS_OUTPUT.put_line(SQL%ROWCOUNT||' Rows affected!');

END;

/
```

```
6 Rows affected!


PL/SQL procedure successfully completed.
```