**SET-II**

**DBMS Practical**

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QUES - Create following schema

SQL> CREATE TABLE IPEC\_EMPLOYEE(

2 EMP\_NO NUMBER(4),

3 EMP\_NAME VARCHAR(10),

4 SALARY NUMBER(5,2),

5 DEPT\_NO VARCHAR(5),

6 PRIMARY KEY (EMP\_NO)

7 );

TABLE CREATED.

SQL> CREATE TABLE IPEC\_DEPT(

2 DEPT\_NO VARCHAR(5),

3 DEPT\_NAME VARCHAR (10) NOT NULL UNIQUE,

4 MGR\_NO NUMBER(5)

5 );

TABLE CREATED.

SQL> DESC IPEC\_EMPLOYEE;

Name Null? Type

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EMP\_NO NOT NULL NUMBER(4)

EMP\_NAME VARCHAR2(10)

SALARY NUMBER(5,2)

DEPT\_NO VARCHAR2(5)

SQL> DESC IPEC\_DEPT;

Name Null? Type

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DEPT\_NO VARCHAR2(5)

DEPT\_NAME NOT NULL VARCHAR2(10)

MGR\_NO NUMBER(5)

QUES 1). Insert at least 5 records in each table.

SQL> INSERT INTO IPEC\_EMPLOYEE VALUES(100,'SUNIL',101,20);

1 row created.

SQL> INSERT INTO IPEC\_EMPLOYEE VALUES(101,'SYAM',102,30);

1 row created.

SQL> INSERT INTO IPEC\_EMPLOYEE VALUES(102,'RAM',103,40);

1 row created.

SQL> INSERT INTO IPEC\_EMPLOYEE VALUES(103,'RIYA',104,50);

1 row created.

SQL> INSERT INTO IPEC\_EMPLOYEE VALUES(104,'RICHA',105,60);

1 row created.

SQL> INSERT INTO IPEC\_DEPT VALUES(10,'CSE',201);

1 row created.

SQL> INSERT INTO IPEC\_DEPT VALUES(20,'MEC',202);

1 row created.

SQL> INSERT INTO IPEC\_DEPT VALUES(30,'ECE',203);

1 row created.

SQL> INSERT INTO IPEC\_DEPT VALUES(40,'COMM',204);

1 row created.

SQL> INSERT INTO IPEC\_DEPT VALUES(50,'CIVIL',205);

1 row created.

QUES 2). List the employees name and his manager name.

SQL> SELECT e.Emp\_no,e.Emp\_name, e.Dept\_no,d.Mgr\_no FROM IPEC\_EMPLOYEE

2 e,IPEC\_DEPT d WHERE e.Dept\_no = d.Dept\_no;

EMP\_NO EMP\_NAME DEPT\_ MGR\_NO

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100 SUNIL 20 202

101 SYAM 30 203

102 RAM 40 204

103 RIYA 50 205

QUES 3). List the department number with its total, min, max and average salary.

SQL> SELECT Dept\_no,MAX(Salary), MIN(Salary),AVG(Salary) FROM

2 IPEC\_EMPLOYEE GROUP BY Dept\_no;

DEPT\_ MAX(SALARY) MIN(SALARY) AVG(SALARY)

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50 104 104 104

20 101 101 101

40 103 103 103

60 105 105 105

30 102 102 102

QUES 4). List the name of the employees drawing highest salary.

SQL> SELECT Emp\_no, Emp\_name, Salary FROM IPEC\_EMPLOYEE WHERE Salary =

2 (SELECT MAX (Salary) FROM IPEC\_EMPLOYEE);

EMP\_NO EMP\_NAME SALARY

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