```
P5 EMPLOYEE.sql
                                                                 1/4
DROP TABLE EMPLOYEE;
CREATE TABLE EMPLOYEE(
SSN INT PRIMARY KEY,
ENAME VARCHAR2(20),
ADDRESS VARCHAR2(20),
SEX VARCHAR(1) CHECK(SEX IN ('M', 'F')),
ESALARY NUMBER(6),
SUPERSSN REFERENCES EMPLOYEE(SSN) ON DELETE CASCADE,
DNO NUMBER(3));
INSERT INTO EMPLOYEE VALUES(1, 'Scott', 'Mangaluru', 'F', 35000, 1, NU
INSERT INTO EMPLOYEE VALUES(2, 'Sahana', 'Mangaluru', 'F', 35000, 1, N
INSERT INTO EMPLOYEE VALUES(3, 'Sagar', 'Bengaluru', 'M', 35000, 1, NU
INSERT INTO EMPLOYEE VALUES(4, 'Sagarik', 'Mangaluru', 'M', 35000, 1, 1
INSERT INTO EMPLOYEE VALUES(5, 'Sajaan', 'Mysore', 'M', 600000, 1, NUL
SELECT * FROM EMPLOYEE;
CREATE TABLE DEPARTMENT(
DNO NUMBER(5) PRIMARY KEY,
DNAME VARCHAR2(10),
DMGRSSN REFERENCES EMPLOYEE ON DELETE CASCADE,
MGRSTARTDATE DATE);
ALTER TABLE EMPLOYEE
ADD CONSTRAINT FK
FOREIGN KEY (DNO) REFERENCES DEPARTMENT ON DELETE CASCADE;
DESC EMPLOYEE:
INSERT INTO DEPARTMENT VALUES(1,'CSE',1,'2-Nov-2007');
INSERT INTO DEPARTMENT VALUES(2, 'IOT', 2, '2-Nov-2007');
INSERT INTO DEPARTMENT VALUES (3, 'Account', 2, '2-Nov-2017');
INSERT INTO DEPARTMENT VALUES(4, 'ISE', 1, '2-Nov-2000');
INSERT INTO DEPARTMENT VALUES(5,'Finance',1,'3-Nov-2001');
SELECT * FROM DEPARTMENT;
UPDATE EMPLOYEE
SET DNO=&DNO
```

```
P5 EMPLOYEE.sql
                                                                2/4
SELECT * FROM EMPLOYEE;
CREATE TABLE DLOCATION(
DNO REFERENCES DEPARTMENT,
DLOCATION VARCHAR2(10),
PRIMARY KEY (DNO, DLOCATION) );
INSERT INTO dlocation VALUES(1, 'Mangaluru');
INSERT INTO dlocation VALUES(1, 'Mysore');
INSERT INTO dlocation VALUES(2, 'Mangaluru');
INSERT INTO dlocation VALUES(3, 'Bengaluru');
INSERT INTO dlocation VALUES(4, 'Mangaluru');
INSERT INTO dlocation VALUES(5, 'Mangaluru');
SELECT * FROM DLOCATION;
CREATE TABLE PROJECT(
PNO NUMBER(2) PRIMARY KEY,
PNAME VARCHAR2(20),
PLOCATION VARCHAR2(20),
DNO REFERENCES DEPARTMENT);
INSERT INTO project VALUES(1, 'IOT', 'Managluru', 1);
INSERT INTO project VALUES(2, 'Data Mining', 'Managluru', 1);
INSERT INTO project VALUES(3, 'CC', 'Hubli', 3);
INSERT INTO project VALUES(4, 'Image processing', 'Managluru', 4);
INSERT INTO project VALUES(5, 'Research', 'Managluru', 5);
SELECT * FROM PROJECT;
CREATE TABLE WORKSON(
SSN REFERENCES EMPLOYEE ON DELETE CASCADE,
PNO REFERENCES PROJECT ON DELETE CASCADE,
WHOUR NUMBER(2));
INSERT INTO workson VALUES(1,1,4);
INSERT INTO workson VALUES(2,1,5);
INSERT INTO workson VALUES(3,2,4);
INSERT INTO workson VALUES(4,3,4);
```

```
P5 EMPLOYEE.sql
                                                               3/4
SELECT * FROM workson;
--1.PNO of all project in which 'SCOTT' is EMPLOYEE OR MANAGER
SELECT PNO FROM WORKSON
WHERE SSN IN ( SELECT SSN FROM EMPLOYEE WHERE ENAME='Scott');
/*UNION
SELECT PNO FROM PROJECT
WHERE DNO IN(
SELECT DNO FROM DEPARTMENT WHERE DMGRSSN IN
(SELECT SSN FROM EMPLOYEE WHERE ENAME='SCOTT')
* * /
--2. Employee on 'IOT' given 10% rise. (EMPLOYEE,WORKSON,PROJEC
SELECT SSN, ENAME, ESALARY, 1.1*ESALARY "UPDATED SAL" FROM EMPLOYEE
WHERE SSN IN(
SELECT SSN FROM WORKSON
WHERE PNO IN(
SELECT PNO FROM project WHERE PNAME='IOT'));
--3. Salary stats of ACCOUNTS Department;
SELECT SUM(ESALARY), AVG(ESALARY), MAX(ESALARY), MIN(ESALARY)
FROM EMPLOYEE E, DEPARTMENT D
WHERE D. DNO=E. DNO AND DNAME= 'Account';
--4. SSN,ENAME who works on all projects controlled by DNO 5
     (NOT EXIST)
SELECT SSN, ENAME FROM employee E
WHERE NOT EXISTS(
(SELECT PNO FROM PROJECT WHERE DNO=5)
MINUS
(SELECT PNO FROM WORKSON W WHERE E.SSN=W.SSN)
);
--5. DNO, Number of employees(>5) and earning >600000
SELECT DNO, COUNT(*) "NO. EMPLOYEE" FROM EMPLOYEE
```

```
P5 EMPLOYEE.sql
                                                                   4/4
GROUP BY DNO
HAVING COUNT(*)>=5;
INSERT INTO EMPLOYEE VALUES(5, 'SAJAAN', 'Mysore', 'M', 600000, 1, 1);
INSERT INTO EMPLOYEE VALUES(6, 'ARUN', 'Mysore', 'M', 600000, 1, 1);
INSERT INTO EMPLOYEE VALUES(7, 'VARUN', 'Mysore', 'M', 600000, 1, 1);
INSERT INTO EMPLOYEE VALUES(8, 'CHAYA', 'Mysore', 'M', 600000, 1, 1);
INSERT INTO EMPLOYEE VALUES(9, 'PREMA', 'Mysore', 'M', 600000, 1, 1);
```