Company Db

CREATE TABLE DEPARTMENT1

(

DNO INT PRIMARY KEY,

DNAME VARCHAR (20),

MGRSTARTDATE DATE

);

CREATE TABLE EMPLOYEE1

(

SSN VARCHAR(20) PRIMARY KEY,

FNAME VARCHAR(20),

LNAME VARCHAR(20),

ADDRESS VARCHAR(20),

SEX CHAR(1),

SALARY INTEGER,

DNO INT REFERENCES DEPARTMENT1(DNO)

);

NOTE: Once DEPARTMENT and EMPLOYEE tables are created we must alter department table to add foreign constraint MGRSSN using sql command

ALTER TABLE EMPLOYEE1 ADD SUPERSSN VARCHAR(20) REFERENCES EMPLOYEE1 (SSN);

ALTER TABLE DEPARTMENT1

ADD MGRSSN VARCHAR(20) REFERENCES EMPLOYEE1 (SSN);

CREATE TABLE DLOCATION1

(

DLOC VARCHAR(20),

DNO INT REFERENCES DEPARTMENT1(DNO),

PRIMARY KEY(DNO,DLOC)

);

CREATE TABLE PROJECT1

(

PNO INT PRIMARY KEY,

PNAME VARCHAR(20),

PLOCATION VARCHAR(20),

DNO INT REFERENCES DEPARTMENT1(DNO)

);

CREATE TABLE WORKS\_ON1

(

PNO INT REFERENCES PROJECT1(PNO),

SSN VARCHAR(20) REFERENCES EMPLOYEE1(SSN),

HOURS INT,

PRIMARY KEY(SSN,PNO)

);

**Insertion of values to tables**

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE01’ , ‘JOHN’, ‘SCOTT’, ‘BANGALORE’, ‘M’, 450000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE02’ , ‘JAMES’, ‘SMITH’, ‘BANGALORE’, ‘M’, 500000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE03’, ‘HEARN’, ‘BAKER’, ‘BANGALORE’, ‘M’, 700000);

INSERT INTO EMPLOYEE1(SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE04’, ‘EDWARD’, ‘SCOTT’, ‘MYSORE’, ‘M’, 500000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE05’, ‘PAVAN’, ‘HEGDE’, ‘MANGALORE’, ‘M’, 650000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE06’, ‘GIRISH’, ‘MALYA’, ‘MYSORE’, ‘M’, 450000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE07’, ‘NEHA’, ‘SN’, ‘BANGALORE’, ‘F’, 800000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE08’, ‘AHANA’, ‘K’, ‘MANGALORE’, ‘F’, 350000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE09’, ‘SANTHOSH’, ‘KUMAR’, ‘MANGALORE’, ‘M’, 300000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE10’,’VEENA’,’M’,’MYSORE’,’F’, 600000);

INSERT INTO EMPLOYEE1 (SSN, FNAME, LNAME, ADDRESS, SEX, SALARY) VALUES (‘VVCE11’,’NAGESH’,’HR’,’BANGALORE’,’M’, 500000);

INSERT INTO DEPARTMENT1 VALUES (1,’ACCOUNTS’,’01-JAN-01’,’VVCE01’);

INSERT INTO DEPARTMENT1 VALUES (2,’IT’,’01-AUG-16’,’VVCE02’);

INSERT INTO DEPARTMENT1 VALUES (3,’ECE’,’01-JUN-08’,’VVCE03’);

INSERT INTO DEPARTMENT1 VALUES (4,’ISE’,’01-AUG-15’, ‘VVCE04’);

INSERT INTO DEPARTMENT1 VALUES (5,’CSE’,’01-JUN-02’,’VVCE05’);

**Note: update entries of employee table to fill missing fields SUPERSSN and DNO**

UPDATE EMPLOYEE1 SET

SUPERSSN=NULL, DNO=3

WHERE SSN=’VVCE01’;

UPDATE EMPLOYEE1 SET

SUPERSSN=’VVCE03’, DNO=5

WHERE SSN=’VVCE02’;

UPDATE EMPLOYEE1 SET

SUPERSSN=’VVCE04’, DNO=5

WHERE SSN=’VVCE03’;

UPDATE EMPLOYEE1 SET

SUPERSSN=’VVCE05’, DNO=5

WHERE SSN=’VVCE04’;

UPDATE EMPLOYEE1 SET

DNO=5, SUPERSSN=’VVCE06’

WHERE SSN=’VVCE05’;

UPDATE EMPLOYEE1 SET

DNO=5, SUPERSSN=’VVCE07’

WHERE SSN=’VVCE06’;

UPDATE EMPLOYEE1 SET

DNO=5, SUPERSSN=NULL

WHERE SSN=’VVCE07’;

UPDATE EMPLOYEE1 SET

DNO=1, SUPERSSN=’VVCE09’

WHERE SSN=’VVCE08’;

UPDATE EMPLOYEE1 SET

DNO=1, SUPERSSN=NULL

WHERE SSN=’VVCE09’;

UPDATE EMPLOYEE1 SET

DNO=4, SUPERSSN=NULL

WHERE SSN=’VVCE10’;

UPDATE EMPLOYEE1 SET

DNO=2, SUPERSSN=NULL

WHERE SSN=’VVCE11’;

INSERT INTO DLOCATION1 VALUES (’BANGALORE’, 1);

INSERT INTO DLOCATION1 VALUES (’BANGALORE’, 2);

INSERT INTO DLOCATION1 VALUES (’BANGALORE’, 3);

INSERT INTO DLOCATION1 VALUES (’MANGALORE’, 4);

INSERT INTO DLOCATION1 VALUES (’MANGALORE’, 5);

INSERT INTO PROJECT1 VALUES (100,’IOT’,’BANGALORE’,5);

INSERT INTO PROJECT1 VALUES (101,’CLOUD’,’BANGALORE’,5);

INSERT INTO PROJECT1 VALUES (102,’BIGDATA’,’BANGALORE’,5);

INSERT INTO PROJECT1 VALUES (103,’SENSORS’,’BANGALORE’,3);

INSERT INTO PROJECT1 VALUES (104,’BANK MANAGEMENT’,’BANGALORE’,1);

INSERT INTO PROJECT1 VALUES (105,’SALARY MANAGEMENT’,’BANGALORE’,1);

INSERT INTO PROJECT1 VALUES (106,’OPENSTACK’,’BANGALORE’,4);

INSERT INTO PROJECT1 VALUES (107,’SMART CITY’,’BANGALORE’,2);

INSERT INTO WORKS\_ON1 VALUES (100, ‘VVCE02’,4);

INSERT INTO WORKS\_ON1 VALUES (101, ‘VVCE02’,6);

INSERT INTO WORKS\_ON1 VALUES (102, ‘VVCE02’,8);

INSERT INTO WORKS\_ON1 VALUES (100, ‘VVCE03’,10);

INSERT INTO WORKS\_ON1 VALUES (100, ‘VVCE05’,3);

INSERT INTO WORKS\_ON1 VALUES (101, ‘VVCE06’, 4);

INSERT INTO WORKS\_ON1 VALUES (102, ‘VVCE07’,5);

INSERT INTO WORKS\_ON1 VALUES (102, ‘VVCE04’,6);

INSERT INTO WORKS\_ON1 VALUES (103, ‘VVCE01’,7);

INSERT INTO WORKS\_ON1 VALUES (104, ‘VVCE08’,5);

INSERT INTO WORKS\_ON1 VALUES (105, ‘VVCE09’,6);

INSERT INTO WORKS\_ON1 VALUES (106, ‘VVCE10’,4);

INSERT INTO WORKS\_ON1 VALUES (107, ‘VVCE11’,10);