

DBMS LAB ASSIGNMENT – 2

21BCE7371

RADHA KRISHNA GARG

CODE:

```
-- create
CREATE TABLE EMPLOYEE (
    SSN INTEGER PRIMARY KEY,
    FirstName TEXT NOT NULL,
    LastName TEXT NOT NULL,
    ADDRESS TEXT NOT NULL,
    SALARY INTEGER NOT NULL,
    BIRTHDAY DATE NOT NULL,
    SEX TEXT NOT NULL,
    SupervisorSSN INTEGER NOT NULL,
    DeptNum INTEGER NOT NULL
);

CREATE TABLE DEPARTMENT (
    DNo INTEGER PRIMARY KEY,
    DName TEXT NOT NULL,
    ManagerSSN INTEGER NOT NULL,
    MgrStartDate DATE NOT NULL
);

-- insert
INSERT INTO EMPLOYEE VALUES (0001, 'James', 'Charles', 'NYC', 12000, '2000-10-10', 'MALE', 1000, 7);
INSERT INTO EMPLOYEE VALUES (0002, 'Dave', 'Chapel', 'LA', 43000, '1990-12-03', 'MALE', 2000, 6);
INSERT INTO EMPLOYEE VALUES (0003, 'Ava', 'Jones', 'Ohio', 3000, '2001-01-03', 'FEMALE', 3000, 6);
INSERT INTO EMPLOYEE VALUES (0004, 'Joyce', 'Gegg', 'Ohio', 50000, '1959-03-29', 'FEMALE', 4000, 8);

INSERT INTO DEPARTMENT VALUES(6, 'MARKETING', 666, '1988-03-28');
INSERT INTO DEPARTMENT VALUES(7, 'ADMIN', 999, '1978-01-08');
INSERT INTO DEPARTMENT VALUES(8, 'FINANCE', 777, '1980-02-14');

-- fetch
SELECT * FROM EMPLOYEE;
SELECT * FROM EMPLOYEE WHERE BIRTHDAY = '1959-03-29';
```

```

SELECT DISTINCT SALARY FROM EMPLOYEE;
SELECT ManagerSSN, MgrStartDate FROM DEPARTMENT WHERE DName = 'FINANCE';
UPDATE EMPLOYEE SET DeptNum = 5 WHERE FirstName = 'Joyce';
SELECT * FROM EMPLOYEE;
ALTER TABLE DEPARTMENT ADD DeptPhoneNum INTEGER;
UPDATE DEPARTMENT SET DeptPhoneNum = 91229 WHERE DNo =
6; UPDATE DEPARTMENT SET DeptPhoneNum = 53233 WHERE
DNo = 7; UPDATE DEPARTMENT SET DeptPhoneNum = 14322
WHERE DNo = 8; SELECT * FROM DEPARTMENT;
ALTER TABLE DEPARTMENT MODIFY DeptPhoneNum varchar(10);
ALTER TABLE DEPARTMENT RENAME COLUMN DeptPhoneNum TO
PhNo; SELECT * FROM DEPARTMENT;
ALTER TABLE DEPARTMENT RENAME TO DEPT;
ALTER TABLE DEPT DROP PhNo;
SELECT * FROM DEPT;
CREATE TABLE COPYOFDEBT AS SELECT * FROM
DEPT; DELETE FROM COPYOFDEBT;
DROP TABLE COPYOFDEBT;

```

OUTPUT:

SSN	FirstName	LastName	ADDRESS	SALARY	BIRTHDAY	SEX	SupervisorSSN	DeptNum
1	James	Charles	NYC	12000	2000-10-10	MALE	1000	7
2	Dave	Chapel	LA	43000	1990-12-03	MALE	2000	6
3	Ava	Jones	Ohio	3000	2001-01-03	FEMALE	3000	6
4	Joyce	Gegg	Ohio	50000	1959-03-29	FEMALE	4000	8

SSN	FirstName	LastName	ADDRESS	SALARY	BIRTHDAY	SEX	SupervisorSSN	DeptNum
4	Joyce	Gegg	Ohio	50000	1959-03-29	FEMALE	4000	8

SALARY

12000

43000

3000

50000

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2	Dave	Chapel	LA	43000	1990-12-03	MALE	2000	6
3	Ava	Jones	Ohio	3000	2001-01-03	FEMALE	3000	6
4	Joyce	Gegg	Ohio	50000	1959-03-29	FEMALE	4000	5

DNo	DName	ManagerSSN	MgrStartDate	DeptPhoneNum
6	MARKETING	666	1988-03-28	91229
7	ADMIN	999	1978-01-08	53233
8	FINANCE	777	1980-02-14	14322

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