

## 1) TABLE WITH MULTIPLE FOREIGN KEYS.

```
CREATE TABLE DEPENDENTSS(  
ID INT PRIMARY KEY,  
NAME VARCHAR(20));
```

```
CREATE TABLE DEPARTMENTS(  
DID INT PRIMARY KEY,  
DNAME VARCHAR(20));
```

```
CREATE TABLE MANAGER(  
MGRID INT PRIMARY KEY,  
MNAME VARCHAR(20));
```

CREATED THESE 3 TABLES WHERE ID , DID, MGRID ARE THE PRIMARY KEYS FOR THE TABLES DEPENDENTSS, DEPARTMENTS, MANAGER RESPECTIVELY.

```
CREATE TABLE EMPLOYEES(  
EID INT, ENAME VARCHAR(20), AGE INT, DEPTID INT, DEPENDENTID INT , MGRID INT ,  
FOREIGN KEY(DEPTID) REFERENCES DEPARTMENTS(DID),  
FOREIGN KEY(DEPENDENTID) REFERENCES DEPENDENTSS(ID),  
FOREIGN KEY(MGRID) REFERENCES MANAGER(MGRID));
```

THEN CREATED A TABLE EMPLOYEES CONSISTING OF FOREIGN KEYS DEPTID REFERENCING DID OF DDEPARTENTS, DEPENDENTID REFERENCING ID OF DEPENDENTS, MGRID REFERENCING MGRID OF MANAGER.

```
2) CREATE TABLE PARENT(  
PIN INT PRIMARY KEY,  
FNAME VARCHAR(20),  
LNAME VARCHAR(20),  
ADDRESS VARCHAR(50));
```

```
CREATE TABLE CHILD(  
FNAME VARCHAR(20),  
LNAME VARCHAR(20),  
ADDRESS VARCHAR(50),  
PIN INT REFERENCES PARENT(PIN) ON DELETE CASCADE);
```

```
INSERT INTO PARENT VALUES(01,'NAGESH','PRABHU','MANGALORE');  
INSERT INTO PARENT VALUES(02,'NAYANA','PRABHU','MANGALORE');  
INSERT INTO PARENT VALUES(03,'RAM','PRABHU','MANGALORE');
```

```
INSERT INTO CHILD VALUES('CHAITRA', 'PRABHU', 'MANGALORE', 01);  
INSERT INTO CHILD VALUES('SHRAVANI','PRABHU','MANGALORE',02);  
INSERT INTO CHILD VALUES('VARUN','PRABHU','MANGALORE',02);
```

```
SELECT * FROM PARENT;  
SELECT * FROM CHILD;
```

Execute

SQLQuery3.sql - D:\...-0104LHO\hp (67)\* SQLQuery2.sql - not connected\* SQLQuery1.sql - not connected\*

```

INSERT INTO PARENT VALUES(01,'NAGESH','PRABHU','MANGALORE');
INSERT INTO PARENT VALUES(02,'NAYANA','PRABHU','MANGALORE');
INSERT INTO PARENT VALUES(03,'RAM','PRABHU','MANGALORE');

INSERT INTO CHILD VALUES('CHAITRA','PRABHU','MANGALORE',01);
INSERT INTO CHILD VALUES('SHRAVANI','PRABHU','MANGALORE',02);
INSERT INTO CHILD VALUES('VARUN','PRABHU','MANGALORE',02);

SELECT * FROM PARENT;
SELECT * FROM CHILD;

DELETE FROM PARENT WHERE PIN =2;

```

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Results Messages

PIN	FNAME	LNAME	ADDRESS
1	NAGESH	PRABHU	MANGALORE
2	NAYANA	PRABHU	MANGALORE
3	RAM	PRABHU	MANGALORE

  

FNAME	LNAME	ADDRESS	PIN	
1	CHAITRA	PRABHU	MANGALORE	1
2	SHRAVANI	PRABHU	MANGALORE	2
3	VARUN	PRABHU	MANGALORE	2

DELETE FROM PARENT WHERE PIN =2;

SELECT \* FROM PARENT;  
SELECT \* FROM CHILD;

SQLQuery3.sql - D:\...-0104LHO\hp (67)\* SQLQuery2.sql - not connected\* SQLQuery1.sql - not connected\*

```

INSERT INTO CHILD VALUES('CHAITRA','PRABHU','MANGALORE',01);
INSERT INTO CHILD VALUES('SHRAVANI','PRABHU','MANGALORE',02);
INSERT INTO CHILD VALUES('VARUN','PRABHU','MANGALORE',02);

SELECT * FROM PARENT;
SELECT * FROM CHILD;

DELETE FROM PARENT WHERE PIN =2;

```

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Results Messages

PIN	FNAME	LNAME	ADDRESS	
1	NAGESH	PRABHU	MANGALORE	
2	3	RAM	PRABHU	MANGALORE

  

FNAME	LNAME	ADDRESS	PIN	
1	CHAITRA	PRABHU	MANGALORE	1