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Omantelacademy (SQL Server 15.0.200
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      - dbo.Project

SQLQuery1.sql - O...ademy\bbuser (57))*

```sql
CREATE TABLE DEPT (
Dnum INT PRIMARY KEY,
DName VARCHAR(50),
MgrSSN VARCHAR(10),
Hiredate DATE
);


CREATE TABLE EMP (
SSN VARCHAR(10) PRIMARY KEY,
BD DATE,
Gender VARCHAR(10),
First VARCHAR(50),
Last VARCHAR(50),
Dnum INT,
Superid VARCHAR(10),
FOREIGN KEY (Dnum) REFERENCES Dept(Dnum),
FOREIGN KEY (Superid) REFERENCES EMP(SSN)
);
```

SQLQuery1.sql - O...ademy\bbuser (57))*

```sql
CREATE TABLE Locations (
DNUM INT,
Loc VARCHAR(50),
FOREIGN KEY (DNUM) REFERENCES Dept(Dnum)
);


CREATE TABLE Project (
Pnum INT PRIMARY KEY,
Pname VARCHAR(50),
City VARCHAR(50),
Loc VARCHAR(50),
Dnum INT,
FOREIGN KEY (Dnum) REFERENCES Dept(Dnum)
);


CREATE TABLE Dependent (
SSN VARCHAR(10),
DeptName VARCHAR(50),
Gender VARCHAR(10),
BD DATE,
FOREIGN KEY (SSN) REFERENCES EMP(SSN)
);


CREATE TABLE MyWork (
SSN VARCHAR(10),
Pnum INT,
Hours DECIMAL(5,2),
FOREIGN KEY (SSN) REFERENCES EMP(SSN),
FOREIGN KEY (Pnum) REFERENCES Project(Pnum)
);
```

```sql
INSERT INTO DEPT (Dnum, DName, MgrSSN, Hiredate)
VALUES (1, 'Human Resources', '029384759', '2021-02-01');

INSERT INTO DEPT (Dnum, DName, MgrSSN, Hiredate)
VALUES (2, 'Finance', '920394851', '2020-07-15');

INSERT INTO DEPT (Dnum, DName, MgrSSN, Hiredate)
VALUES (3, 'IT', '0129384723', '2023-02-10');

INSERT INTO DEPT (Dnum, DName, MgrSSN, Hiredate)
VALUES (4, 'Marketing', '129746230', '2024-07-25');


SELECT * FROM DEPT

INSERT INTO EMP (SSN, BD, GENDER, first, last, DNUM, superid)
VALUES ('111111111', '1998-01-01', 'Male', 'ahmed', 'albalushi', 1, NULL);

INSERT INTO EMP (SSN, BD, GENDER, first, last, DNUM, Superid)
VALUES ('555555555', '2000-06-10', 'Female', 'Sara', 'albalushi', 2, '111111111');

INSERT INTO EMP (SSN, BD, GENDER, first, last, DNUM, superid)
VALUES ('999999999', '1999-03-15', 'male', 'khadija', 'alzadjali', 3, '111111111');

UPDATE EMP SET GENDER = 'Female' WHERE SSN = '999999999';

SELECT First, Last, Gender FROM EMP WHERE Dnum = 2;

SELECT * FROM EMP

INSERT INTO Locations VALUES (1, 'SEEB');
INSERT INTO Locations VALUES (2, 'MABILLAH');
INSERT INTO Locations VALUES (3, 'ALAMIRRAT');
```

```sql
INSERT INTO Project (Pnum, Pname, City, Loc, Dnum)
VALUES (101, 'Recruitment System', 'SEEB', ' Office', 1);

INSERT INTO Project (Pnum, Pname, City, Loc, Dnum)
VALUES (102, 'Cloud Migration', 'SEEB', 'Office', 2);

INSERT INTO Project (Pnum, Pname, City, Loc, Dnum)
VALUES (103, 'Ad Campaign', 'ALAMIRRAT', 'Data Center', 3);

SELECT * FROM PROJECT

INSERT INTO Dependent (SSN, DeptName, Gender, BD)
VALUES ('111111111', 'Child', 'Male', '2025-03-05');

SELECT * FROM Dependent

DELETE FROM PROJECT WHERE Pnum = 103;

SELECT * FROM PROJECT

UPDATE EMP
SET first = 'khadija'
WHERE first LIKE 'a%';

SELECT * FROM EMP
```