Quiz 3   **Score (out of 10)** _____
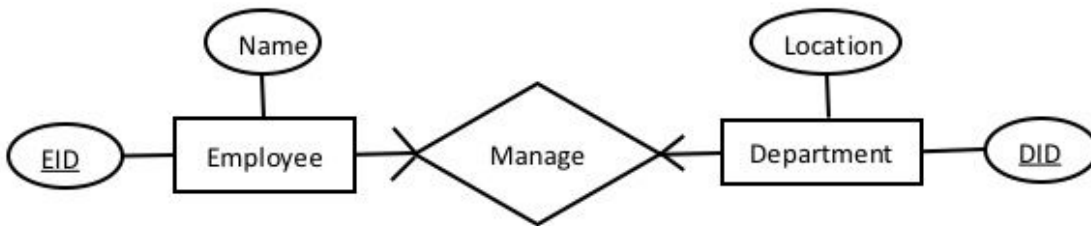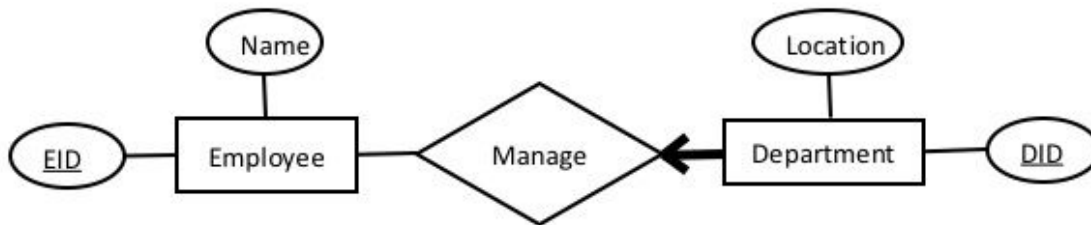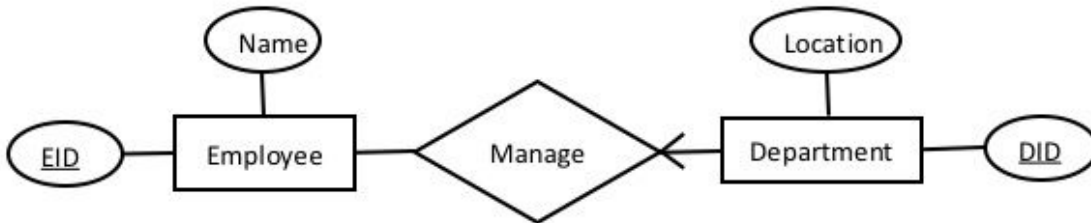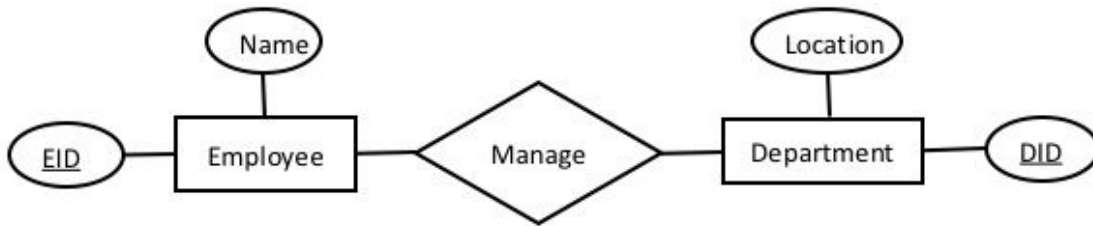
Taken by: Name_____ **Student ID**_____

Graded by: Name_____ **Student ID**_____

Each question is worth 2 points. You have 10 minutes.

Translate each of the following ER diagrams into SQL. Pay attention to the constraints.
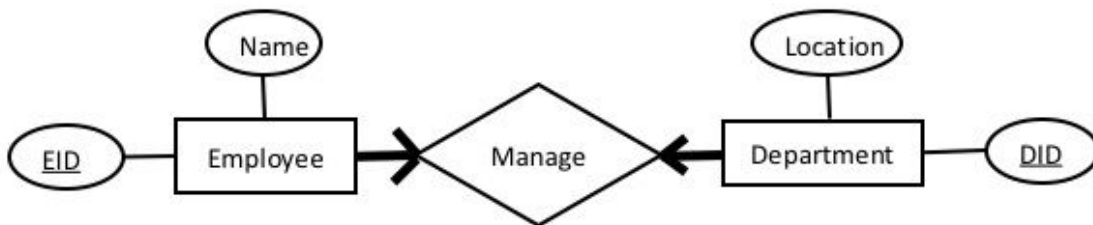
1. CREATE TABLE Employee (eid INTEGER, name VARCHAR(20), PRIMARY KEY (eid));

CREATE TABLE Department (did INTEGER, location VARCHAR(20), PRIMARY KEY (did));
CREATE TABLE Manage (eid INTEGER,

        did INTEGER,

        PRIMARY KEY (eid,did),

        FOREIGN KEY(eid) REFERENCES Employee ON DELETE CASCADE,

        FOREIGN KEY(did) REFERENCES Department ON DELETE CASCADE);

2. CREATE TABLE Employee (eid INTEGER, name VARCHAR(20), PRIMARY KEY (eid));
CREATE TABLE Department (did INTEGER, location VARCHAR(20),

        eid INTEGER,

        PRIMARY KEY (did),

        FOREIGN KEY(eid) REFERENCES Employee ON DELETE **SET NULL**);

3. CREATE TABLE Employee (eid INTEGER, name VARCHAR(20), PRIMARY KEY (eid));
CREATE TABLE Department (did INTEGER, location VARCHAR(20),

    eid INTEGER **NOT NULL**,

    PRIMARY KEY (did),

    FOREIGN KEY(eid) REFERENCES Employee ON DELETE **CASCADE**);

4. CREATE TABLE Employee (eid INTEGER, name VARCHAR(20),

    did INTEGER,

    PRIMARY KEY (eid),

    FOREIGN KEY(did)REFERENCES Department ON DELETE SET NULL);

CREATE TABLE Department (did INTEGER, location VARCHAR(20),

    eid INTEGER,

    PRIMARY KEY (did),

    FOREIGN KEY(eid) REFERENCES Employee ON DELETE **SET NULL**);

5. CREATE TABLE Employee (eid INTEGER, name VARCHAR(20),

    did INTEGER **NOT NULL**,

    PRIMARY KEY (eid),

    FOREIGN KEY(did)REFERENCES Department ON DELETE **CASCADE**);

CREATE TABLE Department (did INTEGER, location VARCHAR(20),

    eid INTEGER **NOT NULL**,

    PRIMARY KEY (did),

    FOREIGN KEY(eid)REFERENCES Employee ON DELETE **CASCADE**);