Answer 1  
  
Seed Query



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-- DDL: Create Tables

CREATE TABLE Departments (

department\_id INT PRIMARY KEY,

department\_name VARCHAR(50) NOT NULL

);

CREATE TABLE Employees (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(50) NOT NULL,

last\_name VARCHAR(50) NOT NULL,

department\_id INT

);

-- DML: Insert Data

INSERT INTO Departments VALUES

(1, 'HR'),

(2, 'IT'),

(3, 'Marketing');

INSERT INTO Employees VALUES

(1, 'John', 'Doe', 2),

(2, 'Jane', 'Smith', 1),

(3, 'Bob', 'Johnson', 3),

(4, 'Alice', 'Williams', 1);

Answer Query



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CREATE TABLE new\_employees (

employee\_id int primary key,

first\_name varchar(50) not null,

last\_name varchar(50) not null,

department\_id INT,

FOREIGN KEY(department\_id) REFERENCES departments(department\_id)

);

INSERT INTO new\_employees(employee\_id, first\_name, last\_name,

  department\_id) values(1, 'John', 'Doe', 2),

(2, 'Jane', 'Smith', 1),

(3, 'Bob', 'Johnson', 3),

(4, 'Alice', 'Williams', 1);

DROP TABLE employees;

ALTER TABLE new\_employees RENAME TO employees;

Verify Query



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SELECT sql FROM sqlite\_master WHERE type='table' AND name='employees';

-- PRAGMA table\_info(employees);

Test Question