use MyDocker;

CREATE TABLE Employees (

EmployeeID INT PRIMARY KEY,

Name VARCHAR(100),

DepartmentID INT

);

CREATE TABLE Departments (

DepartmentID INT PRIMARY KEY,

DepartmentName VARCHAR(100)

);

INSERT INTO Employees (EmployeeID, Name, DepartmentID)

VALUES

(5, 'jitendra', 107),

(6, 'bhavyansh', 108),

(7, 'Bob', NULL);

INSERT INTO Departments (DepartmentID, DepartmentName)

VALUES

(1011, 'IT'),

(1021, 'Sales'),

(1031, 'Finace');

use practice;

CREATE TABLE departments (

department\_id INT PRIMARY KEY,

department\_name VARCHAR(255) NOT NULL

);

CREATE TABLE employees (

employee\_id INT PRIMARY KEY,

first\_name VARCHAR(100),

last\_name VARCHAR(100),

department\_id INT,

hire\_date DATE,

salary DECIMAL(10, 2),

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

);

CREATE TABLE projects (

project\_id INT PRIMARY KEY,

project\_name VARCHAR(255) NOT NULL,

department\_id INT,

start\_date DATE,

end\_date DATE,

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

);

CREATE TABLE employee\_project (

employee\_id INT,

project\_id INT,

role VARCHAR(255),

PRIMARY KEY (employee\_id, project\_id),

FOREIGN KEY (employee\_id) REFERENCES employees(employee\_id),

FOREIGN KEY (project\_id) REFERENCES projects(project\_id)

);

INSERT INTO departments (department\_id, department\_name) VALUES

(1, 'HR'),

(2, 'IT'),

(3, 'Sales'),

(4, 'Finance'),

(5, 'Marketing');

INSERT INTO employees (employee\_id, first\_name, last\_name, department\_id, hire\_date, salary) VALUES

(1, 'Alice', 'Smith', 1, '2020-06-15', 60000),

(2, 'Bob', 'Johnson', 2, '2019-02-20', 80000),

(3, 'Charlie', 'Brown', 3, '2021-01-12', 50000),

(4, 'David', 'Williams', 4, '2018-11-05', 75000),

(5, 'Eve', 'Davis', 5, '2022-03-18', 55000),

(6, 'Frank', 'Miller', 2, '2020-10-25', 70000),

(7, 'Grace', 'Taylor', 1, '2021-05-17', 45000);

INSERT INTO projects (project\_id, project\_name, department\_id, start\_date, end\_date) VALUES

(1, 'Project Alpha', 2, '2021-06-01', '2022-06-01'),

(2, 'Project Beta', 3, '2020-04-10', '2021-04-10'),

(3, 'Project Gamma', 5, '2021-09-15', '2022-09-15'),

(4, 'Project Delta', 4, '2022-01-01', '2023-01-01');

INSERT INTO employee\_project (employee\_id, project\_id, role) VALUES

(1, 1, 'Manager'),

(2, 1, 'Developer'),

(3, 2, 'Analyst'),

(4, 3, 'Coordinator'),

(5, 4, 'Lead'),

(6, 1, 'Tester'),

(7, 2, 'Developer');