**Elevate labs SQL DEVELOPER INTERNSHIP**

**Task-1**

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**Domain : employee management;**

### Entities:

1. **Employees**
2. **Departments**
3. **Jobs**

**Relationships:**

* Each employee belongs to one department.
* Each employee has one job role.
* One department can have many employees.

**Create tables:**

CREATE TABLE Departments (

department\_id INTEGER PRIMARY KEY AUTOINCREMENT,

name VARCHAR(100) NOT NULL

);

CREATE TABLE Jobs (

job\_id INTEGER PRIMARY KEY AUTOINCREMENT,

title VARCHAR(100) NOT NULL,

salary DECIMAL(10, 2)

);

CREATE TABLE Employees (

employee\_id INTEGER PRIMARY KEY AUTOINCREMENT,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE,

hire\_date DATE,

department\_id INTEGER,

job\_id INTEGER,

FOREIGN KEY (department\_id) REFERENCES Departments(department\_id),

FOREIGN KEY (job\_id) REFERENCES Jobs(job\_id)

);

**Insert values:**

INSERT INTO Departments (name) VALUES

('Human Resources'),

('Engineering'),

('Marketing');

INSERT INTO Jobs (title, salary) VALUES

('HR Manager', 55000.00),

('Software Engineer', 75000.00),

('Marketing Executive', 50000.00);

INSERT INTO Employees (name, email, hire\_date, department\_id, job\_id) VALUES

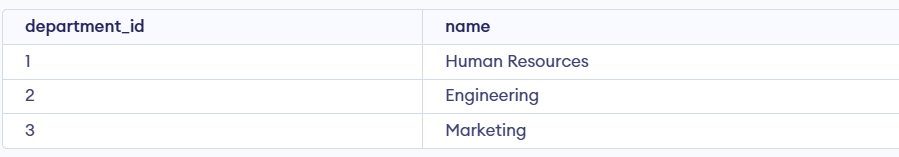
('Shamish', 'shamish@gmail.com', '2023-01-15', 1, 1),

('Surya', 'surya@gmail.com', '2022-10-01', 2, 2),

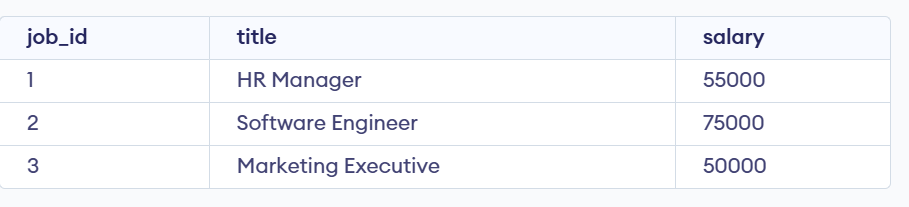
('Charan', 'charan@gmail.com', '2023-05-22', 3, 3);

**Outputs:**

**Departments:**

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**Jobs:**

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**Employee:**

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