

Important Links:

WhatsApp: <https://chat.whatsapp.com/invite/FofcmptRtuRLdLgyTx6bsO>

Connect with Instructor: <https://www.linkedin.com/in/saurabhkango/>

If you are facing any challenges or issues regarding the lectures, contact support@scaler.com

For all queries related to the dashboard, recordings, assessments and material access - support link: <https://support.scaler.com/hc/en-us>

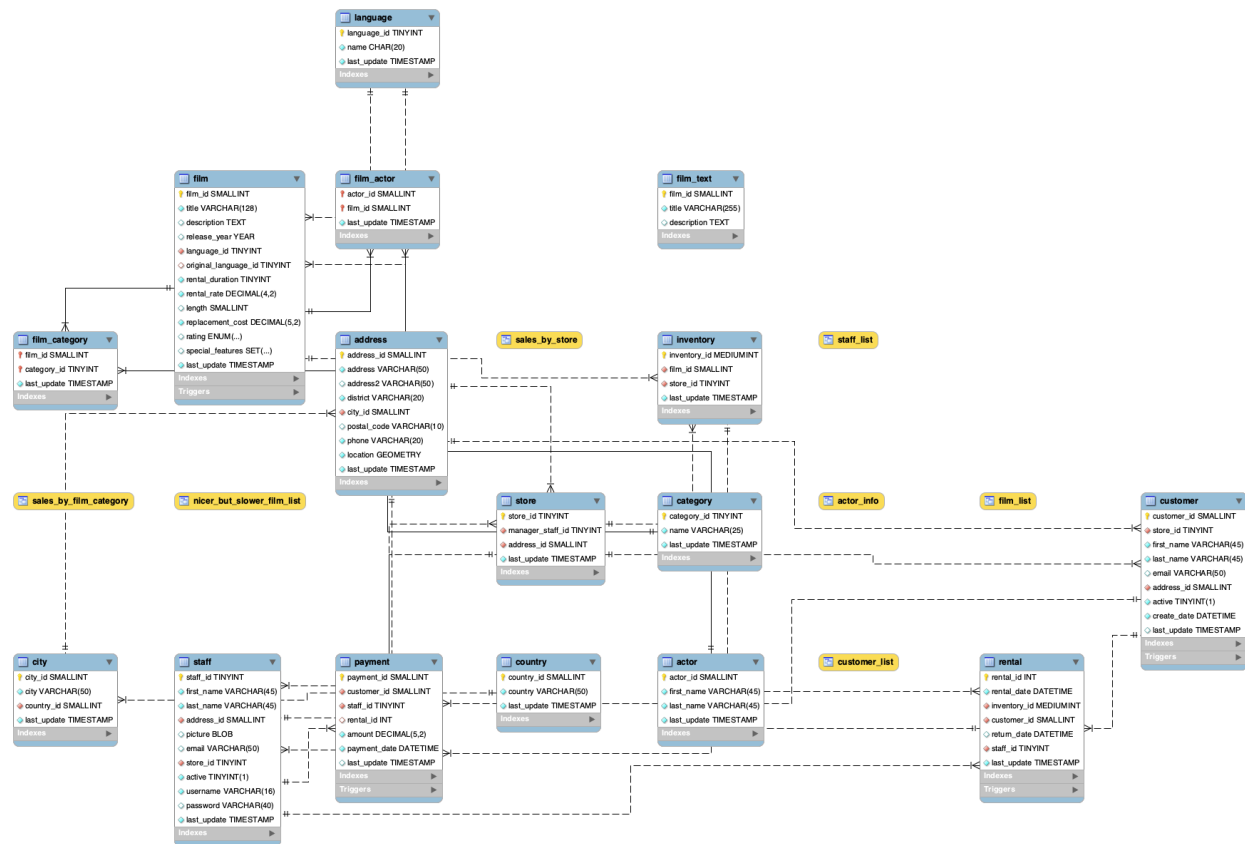
MySQL -  MySQL Installation and Setup.pdf

Don't forget the password.

Data:

<https://dev.mysql.com/doc/index-other.html>

ER diagram:



Notes:

➕ Concept DE

```
use scaler_demo ;
```

```
CREATE TABLE departments (
    deptID INT AUTO_INCREMENT PRIMARY KEY,
    deptName VARCHAR(50) NOT NULL
);
```

```
CREATE TABLE employees (
    employeeID INT AUTO_INCREMENT PRIMARY KEY,
    firstName VARCHAR(50) NOT NULL,
    lastName VARCHAR(50),
    deptID INT,
```

```

        FOREIGN KEY (deptID) REFERENCES departments(deptID)
    );
INSERT INTO departments (deptName)
VALUES ("HR"), ("TECH"), ("PRODUCT"), ("MARKETING");

INSERT INTO employees (firstName, lastName, deptID)
VALUES
("Mohit", "Sharma", 1),
("Abdul", "Ahad", 2),
("Naman", "Bhalla", 3),
("Rahul", "Sharma", 1);

--
Select * from departments ;
Select * from employees ;

DELETE FROM departments WHERE deptID = 3;

DROP TABLE employees;
DROP TABLE departments;

CREATE TABLE departments (
    deptID INT AUTO_INCREMENT PRIMARY KEY,
    deptName VARCHAR(50) NOT NULL
);

CREATE TABLE employees (
    employeeID INT AUTO_INCREMENT PRIMARY KEY,
    firstName VARCHAR(50) NOT NULL,
    lastName VARCHAR(50),
    deptID INT,
    FOREIGN KEY (deptID) REFERENCES departments(deptID)
        ON DELETE CASCADE
        ON UPDATE CASCADE
);

DELETE FROM departments WHERE deptID = 3;

UPDATE departments
SET deptID = 5
WHERE deptID = 1;

```

```
CREATE TABLE departments (  
    deptID INT AUTO_INCREMENT PRIMARY KEY,  
    deptName VARCHAR(50) NOT NULL  
);
```

```
CREATE TABLE employees (  
    employeeID INT AUTO_INCREMENT PRIMARY KEY,  
    firstName VARCHAR(50) NOT NULL,  
    lastName VARCHAR(50),  
    deptID INT NULL,    -- MUST allow NULL  
    FOREIGN KEY (deptID) REFERENCES departments(deptID)  
        ON DELETE SET NULL  
        ON UPDATE SET NULL  
);
```

```
use sakila;  
Select f.film_id,  
       f.title,  
       l.name as language_name  
from film f  
left join language L  
on l.language_id = f.language_id;
```

```
Select f.film_id,  
       f.title,  
       l.name as language_name  
from film f  
inner join language L  
on l.language_id = f.language_id;
```

```
Select f.title,  
       count(r.rental_id) as total_rents  
from film F  
left join inventory i  
on f.film_id = i.film_id
```

```
left join rental r  
on r.inventory_id = i.inventory_id  
group by f.title
```

order by total_rents desc

```
Select f.title,  
       count(r.rental_id) as total_rents  
from film F  
join inventory i  
on f.film_id = i.film_id  
  
join rental r  
on r.inventory_id = i.inventory_id  
group by f.title  
order by total_rents desc
```