

Important Links:

WhatsApp: <https://chat.whatsapp.com/invite/FofcmptRtuRLdLgyTx6bsQ>

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>

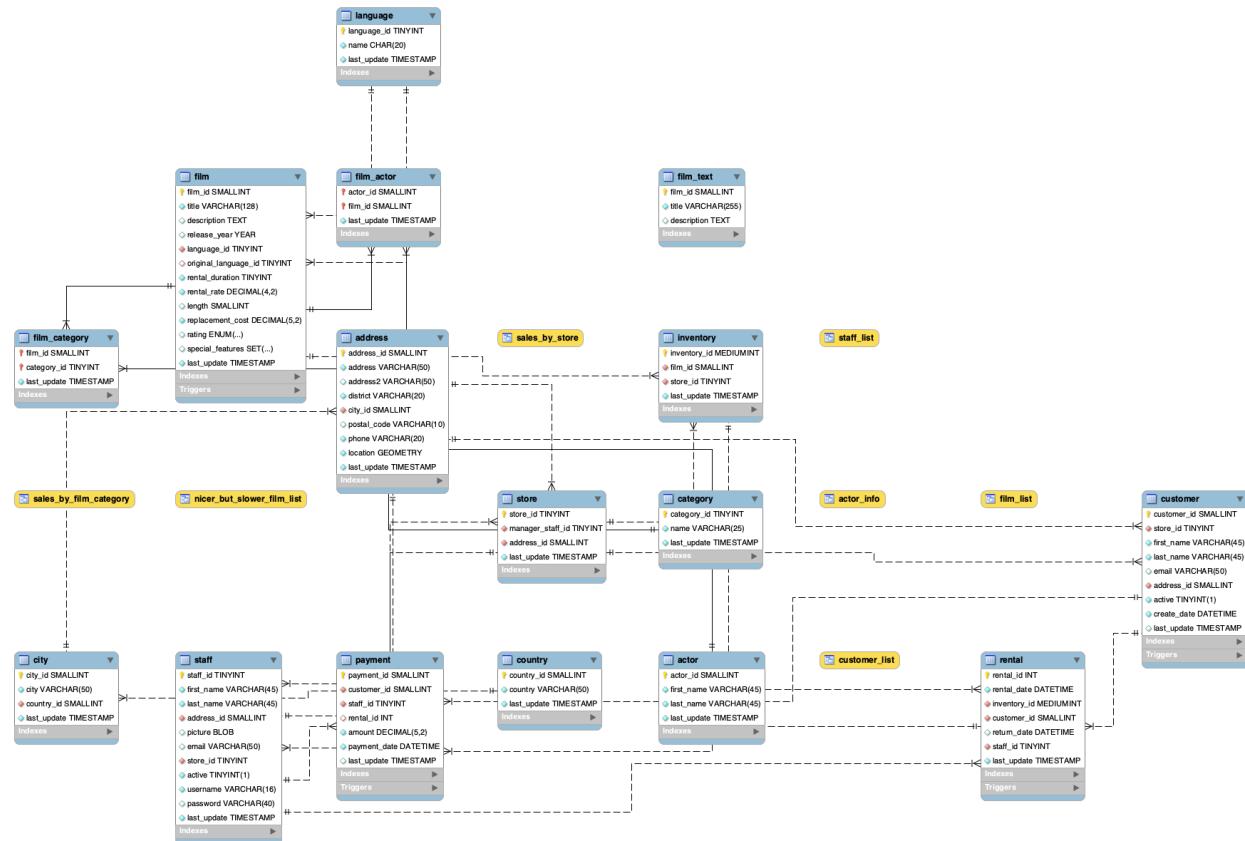
MySQL -  MySQL Installation and Setup.pdf

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
```