# Set up Employees Sample Database in MySQL

INF 551 Wensheng Wu

#### Installation

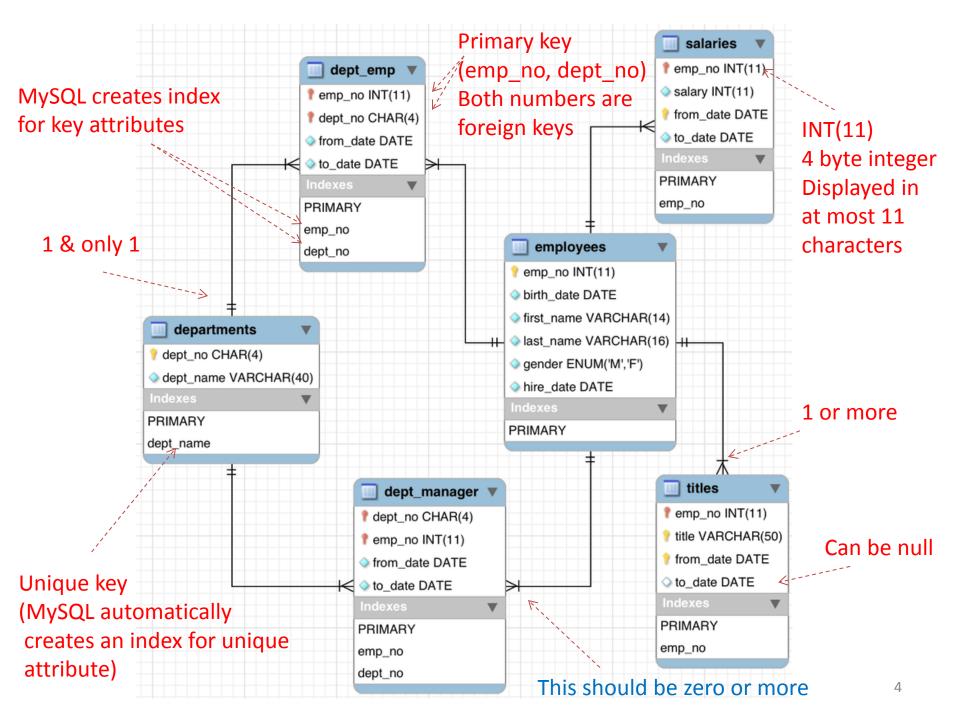
- Fetch the package
  - wget <a href="https://launchpad.net/test-db/employees-db-1/1.0.6/+download/employees-db-full-1.0.6.tar.bz2">https://launchpad.net/test-db/employees-db-1/1.0.6/+download/employees-db-full-1.0.6.tar.bz2</a>

- Uncompress it
  - tar xvf employees db-full-1.0.6.tar.bz2

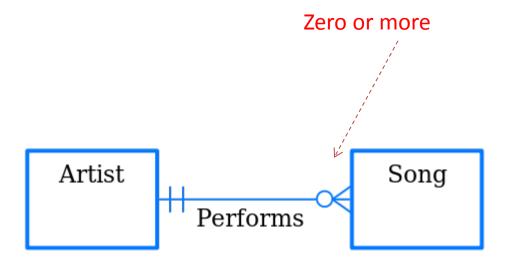
### Run setup script

cd employees\_db

mysql -u root -p < employees.sql</li>



#### Crow's foot notation



### Departments table

- Two indices will be automatically created
  - One for primary key
  - The other unique key

```
CREATE TABLE departments (
dept_no CHAR(4) NOT NULL,
dept_name VARCHAR(40) NOT NULL,
PRIMARY KEY (dept_no),
UNIQUE KEY (dept_name)
);
```

## Department-Employee table

#### Create index for key attribute

```
CREATE TABLE dept emp (
 emp_no INT
                   NOT NULL,
 dept_no CHAR(4) NOT NULL,
 from date DATE NOT NULL,
 to date DATE NOT NULL,
 KEY (emp_no),
 KEY (dept no),
 FOREIGN KEY (emp_no) REFERENCES employees (emp_no) ON
DELETE CASCADE,
 FOREIGN KEY (dept_no) REFERENCES departments (dept_no) ON
DELETE CASCADE,
 PRIMARY KEY (emp_no,dept_no)
```