# Data Centric RAD

## Lab 1 MySQL Review

### Part 1

* Get superheroes.sql from Moodle.
* Import the database into MySQL as follows:
  + Open the Command Prompt
  + In the Command Prompt type:

cd \wamp\bin\mysql\mysql5.6.17\bin

On my Laptop.

cd \wamp64\bin\mysql\mysql5.7.14\bin

* + Then type:

mysql -u root -p < "C:\Users\martin\Desktop \superheroes.sql"

Where ***Full Path*** is the location of the superheroes.sql just downloaded.

* use superheroes;
* List all tables in the database.
* Show tables;
* What is the Primary Key of the superhero\_no\_PK table?
* Describe superhero\_no\_pk;
* Show all the rows and columns in the superhero\_no\_PK table.
* Select \* from superhero\_no\_pk;
* List all details of all superheroes whose name begins with *S.*
* select \* from superhero\_no\_pk where name like '*%S*%';
* List all superheroes whose Real Surname contains the letter *n.*
* SELECT \* FROM superhero\_no\_PK WHERE real\_surname LIKE '%*n*%';
* What is the Primary Key of the superhero\_2\_PK table?
* Describe superhero\_2\_pk
* List all the details of all superheroes in the superhero\_2\_pk table who are male (have *man* as part of their superhero name), and who are from Gotham City

The following column names should be displayed:

HERO, city, First Name Alias, Last Name Alias.

SELECT name as HERO, city, Real\_First\_Name as First\_name, Real\_Surname as Last\_name FROM superhero\_2\_PK WHERE name LIKE '%man%' AND city LIKE '%Gotham City%';

### Part 2

* Get employeesDB100.sql from Learnonline.

mysql -u root -p < "C:\Users\martin\Desktop\employeesDB100.sql"

use employees;

* List all tables in the employees database.

show tables;

* List all Departments.

Select \* FROM departments;

* List **only the name** of the Department d005.

Select dept\_name from departments where dept\_no LIKE ‘%d005%’;

(Change to single colons surrounding d005)

* List all salaries greater than or equal to 101,000, but use an alias called **money** to display the results.

Select salary as money from salaries where salary >= 101000;

* List all employees who were hired in 1987.

select \* from employees where hire\_date between '1987-01-01' and '1987-12-31';

* List all employees who were hired in 1987 but were born in the 1960s or later.

select \* from employees where hire\_date between '1987-01-01' and '1987-12-31' and birth\_date >='1960';