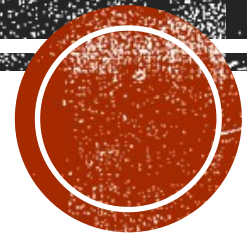


# DR09.01

# DATABASES

Data Representation

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# DATABASE

- We will be using MySQL (a relational database)
- Other databases are
  - MongoDB
  - SQLite
  - PostGres
- Install it
  - Windows I'll use WAMP
  - Mac/Linux install MySQL and MySQLWorkbench



# SQL

- The language to interact with is SQL
  - Structured Query Language
  - Tutorial on W3Schools

<https://www.w3schools.com/sql/>

Are we done!!!!!!



# SOME COMMANDS

```
show databases;
```

```
create database test;
```

Ends with semicolon

```
use test
```

```
create table test (  
    id int NOT NULL AUTO_INCREMENT,  
    name varchar(250),  
    PRIMARY KEY(id)
```

```
);
```

```
insert into test (name) values ('jow');
```

```
select * from test;
```

```
update test set name='blah' where id = 1;
```

```
delete from test where value = 1;
```

