

# Creating and Updating

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July 4, 2013

# Basics and CRUD

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## Intro

Overview

## Practicals

Creating

Updating

Constraints



# Touching the shiny data

- ▶ Creating records



# Touching the shiny data

- ▶ Creating records
- ▶ Updating records

# Touching the shiny data

- ▶ Creating records
- ▶ Updating records
- ▶ Constraints

# Create

We use the `insert` verb

We can insert in one of two ways;

- ▶ inserting by specifying the columns we're inserting into

# Create

We use the `insert` verb

We can insert in one of two ways;

- ▶ inserting by specifying the columns we're inserting into
- ▶ inserting into every column in the right order



## Create (cont.)

- ▶ `insert into my_table values (100, 'Eli', '56 Tudor Court', 'Feta');`

## Create (cont.)

- ▶ `insert into my_table values (100, 'Eli', '56 Tudor Court', 'Feta');`
- ▶ `insert into my_table (name, favourite_cheese, address) values ('Eli', 'Feta', '56 Tudor Court');`

# Update

We use the verbs `update` and `set` together with a `where`  
In one line we tell the database what we want to search for and  
what we want to replace

## Update (cont.)

- ▶ `update my_table set a_column='poop' where a_column = 'poo poo'`

## Update (cont.)

- ▶ `update my_table set a_column='poop' where a_column = 'poo poo'`
- ▶ `update my_table set a_column='poop' where a_column like 'poo%'`

# constraints

Constraints limit ('constrain') what records can fit a column  
These affect our inserts and updates

## constraints (cont.)

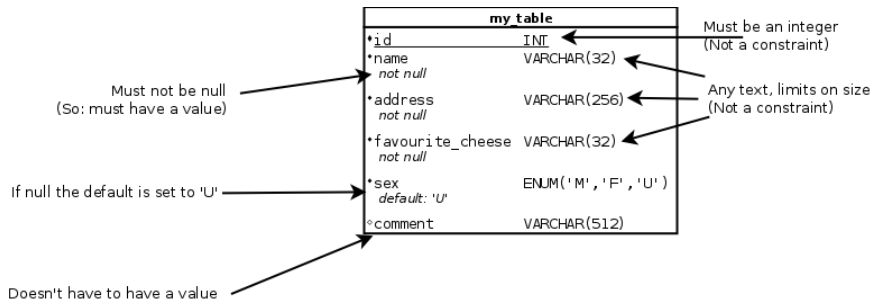


Figure : Constraints on my\_table