**CREATE DATABASE IF NOT EXISTS** people;

**USE** people;

*-- DDL - data definition*

**CREATE TABLE** person (

**pers\_id INTEGER PRIMARY KEY AUTO\_INCREMENT**,

**pers\_name VARCHAR**(255) **NOT NULL**,

**pers\_birthdate DATE NOT NULL**

);

**CREATE TABLE** pet (

**pet\_id INTEGER PRIMARY KEY AUTO\_INCREMENT**,

**pet\_name VARCHAR**(255) **NOT NULL**,

**pet\_species VARCHAR**(255) **NOT NULL**,

**owner\_id INTEGER NOT NULL**,

**FOREIGN KEY** (**owner\_id**) **REFERENCES** person (**pers\_id**)

);

*-- DML - data manipulation*

**INSERT INTO** person (**pers\_name**, **pers\_birthdate**)

**VALUES** (**'A'**, **'1985-01-04'**);

**INSERT INTO** person (**pers\_name**, **pers\_birthdate**)

**VALUES** (**'B'**, **'1952-04-03'**);

**INSERT INTO** person (**pers\_name**, **pers\_birthdate**)

**VALUES** (**'C'**, **'1920-02-29'**);

**INSERT INTO** pet (**pet\_name**, **pet\_species**, **owner\_id**)

**VALUES** (**'Skippy'**, **'dog'**, 1);

**INSERT INTO** pet (**pet\_name**, **pet\_species**, **owner\_id**)

**VALUES** (**'Binky'**, **'rabbit'**, 1);

**INSERT INTO** pet (**pet\_name**, **pet\_species**, **owner\_id**)

**VALUES** (**'Slinky'**, **'cat'**, 3);

*-- What happens with an unknown person ID?*

*-- INSERT INTO pet (pet\_name, pet\_species, owner\_id)*

*-- VALUES ('Harbinger', 'cat', 17);*

*-- Other piece of DML: UPDATE*

*-- Change the rabbit's name*

**UPDATE** pet

**SET pet\_name** = **'Nyssa'**

**WHERE pet\_id** = 2;

*-- what if we don't have a selector?*

*-- UPDATE pet*

*-- SET pet\_name = 'Bob';*