CREATE DATABASE herzing;

USE herzing;

SELECT \* FROM animals;

# List all the cat and male turtles.

SELECT \* FROM animals WHERE species='cat' OR (species='turtle' AND sex='M');

# List all the female cats and female dogs.

SELECT \* FROM animals WHERE (species = 'cat' AND sex = 'F') OR (species = 'dog' AND sex = 'F');

# List all the female dogs and the oldest turtle (name, sex, specie, dob).

SELECT name, sex, species, dob FROM animals WHERE (species='dog' AND sex='F') OR (species='turtle') ORDER BY dob DESC LIMIT 1;

# List all the female dogs and the oldest turtle (name, sex, specie, dob).

SELECT

name, sex, species, dob

FROM

animals

WHERE

species = 'dog' AND sex = 'F'

OR species = 'turtle'

AND dob = '2006-03-15 14:26:00';

# List the animals born in 2007 (specie, name and date of birth).

SELECT species, name, dob FROM animals WHERE dob <= '2007-31-12' AND dob >= '2007-01-01';

# List the animals with any comments attached to their name (name, specie, comments).

SELECT name, species, comments FROM animals WHERE comments IS NOT NULL;

# List the 7 oldest animals (name, specie, date of birth).

SELECT name, species, dob FROM animals ORDER BY dob ASC LIMIT 7;

# List the 7 youngest animals (name, dob).

SELECT name, dob FROM animals ORDER BY dob DESC LIMIT 7;

# List all the animals who's name starts with 'a'.

SELECT \* FROM animals WHERE name LIKE 'a%';

# List all the males except for the dogs and the cats.

SELECT \* FROM animals WHERE (species != 'dog' AND species != 'cat') AND (sex = 'M') ;

# List all the female cats born between 2007 and 2009.

SELECT \* FROM animals WHERE (species = 'cat' AND sex = 'F') AND (dob >= '2007-31-12' AND dob <= '2009-31-12');

# List all the animals who's name ends with e and was born in 2009 and who's not a male.

SELECT \* FROM animals WHERE name LIKE '%e' AND dob < '2009-31-12' AND dob > '2009-01-01' AND sex != 'M';

# List of 3 female turtles sort their name from z-a.

SELECT \* FROM animals WHERE (species = 'turtle' AND sex = 'F') AND name IS NOT NULL ORDER BY name ASC LIMIT 3;

# Update all the "perrot" to "parrot".

UPDATE animals SET species = 'perrot' WHERE species = 'parrot';

SELECT \* FROM animals WHERE species = 'perrot';

# HEADS UP! changing it back to parrot from perrot

UPDATE animals SET species = 'parrot' WHERE species = 'perrot';

SELECT \* FROM animals WHERE species = 'parrot';

# List of the animal called 'Bouli', parrot with comments and all the female born before 2008 (name, sex).

SELECT

name, sex

FROM

animals

WHERE

(name = 'bouli')

OR (species = 'parrot'

AND comments IS NOT NULL)

OR (sex = 'F' AND dob < '2008-31-12')

;

SELECT \* FROM animals;

# Change all the "NULL" comments to "To Come"!

UPDATE animals SET comments = 'To Come!' WHERE comments IS NULL;

SELECT \* FROM animals;

# How many species exist in total?

SELECT COUNT(DISTINCT species) FROM animals;

# Surprise me with a cool query!

SELECT \* FROM animals;

UPDATE animals SET comments = "Sweet 'Ol" WHERE name = 'Caroline';

SELECT comments, name FROM animals WHERE (name LIKE 'Ca%' AND sex = 'F' AND dob = '2008-12-06 05:18:00');