**Creating databases and inserting data**

**CREATE** **DATABASE** guitars\_collection;

**SHOW** DATABASES*;*

**CREATE** **DATABASE** **IF** **NOT** **EXISTS** guitars\_collection;

CREATE DATABASE IF NOT EXISTS dog\_breeds;

CREATE DATABASE **IF** **NOT** EXISTS guitars\_collection;

CREATE TABLE catalog (

id INT(8) UNSIGNED **NOT** NULL auto\_increment,

name VARCHAR(255) default NULL,

manufacture\_year YEAR(4) default NULL,

brand VARCHAR(255) default NULL,

PRIMARY KEY (id)

) AUTO\_INCREMENT=1;

**USE** **guitars\_collection**;

**SHOW** TABLES*;*

**SHOW** COLUMNS FROM catalog*;*

**SHOW** COLUMNS FROM guitars\_collection.catalog*;*

CREATE DATABASE dog\_breeds;

CREATE TABLE dog\_catalog (

id INT(4) NOT NULL auto\_increment,

breed VARCHAR(255),

region VARCHAR(255),

PRIMARY KEY (id)

) AUTO\_INCREMENT=1;

**USE** guitars\_collection;

**INSERT** **INTO** **catalog** (**name**,manufacture\_year,brand)

**VALUES** ("Brian May’s Red Special", 1963, **DEFAULT**);

**USE** guitars\_collection;

**INSERT** **INTO** **catalog** (**name**,manufacture\_year,brand)

**VALUES**

("Keith Richards’ Micawber", 1953, "Fender Telecaster"),

("Jimi Hendrix’s Monterey", 1967, "Fender Stratocaster"),

("Jimmy Page’s Gibson Les Paul Standard", 1959, "Gibson"),

("Matt Bellamy’s Black Kaoss", 2006, "Manson");

USE dog\_breeds;

INSERT INTO dog\_catalog (breed, region) VALUES ("English Sheepdog", "England");

CREATE DATABASE famous\_scientists;

USE famous\_scientists;

CREATE TABLE scientists (

id INT(1) NOT NULL auto\_increment,

name VARCHAR(255) NOT NULL,

discovery TEXT NOT NULL,

year\_of\_birth INT(4) NOT NULL,

year\_of\_death INT(4) DEFAULT NULL,

PRIMARY KEY (id)

) AUTO\_INCREMENT=1;

USE famous\_scientists;

INSERT INTO scientists (name, discovery, year\_of\_birth, year\_of\_death) VALUES ("Galileo Galilei", "Modern observational astronomy", 1564, 1642);