**>** use soft352 **//create database**

switched to db soft352

**>** db.createCollection**(**"options"**) //create table**

**{** "ok" **:** 1 **}**

**>** db.createCollection**(**"cars"**) //create table**

**{** "ok" **:** 1 **}**

**>** db.RS5.insert **({**\_id**:** "1"**,** name**:** "RS5"**,** price**:** "61,690"**,** power**:** "450"**,** displacement**:** "2894"**,** engine**:** "2.9 TFSI quattro tiptronic"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in cars table**

**>** db.options.insert **({**\_id**:** "1"**,** name**:** "blue"**,** category**:** "paint"**,** price**:** "645"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "2"**,** name**:** "grey"**,** category**:** "paint"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "3"**,** name**:** "19 inch"**,** category**:** "alloys"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "4"**,** name**:** "20 inch"**,** category**:** "alloys"**,** price**:** "2000"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "5"**,** name**:** "led"**,** category**:** "headlights"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "6"**,** name**:** "matrixLed"**,** category**:** "headlights"**,** price**:** "850"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "7"**,** name**:** "redAndBlack"**,** category**:** "seatingAndDash"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "8"**,** name**:** "lunar"**,** category**:** "seatingAndDash"**,** price**:** "800"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "9"**,** name**:** "sSuperSportsSeats"**,** category**:** "seats"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "10"**,** name**:** "spareWheel"**,** category**:** "wheelsAndTyres"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "11"**,** name**:** "toolkitAndJack"**,** category**:** "wheelsAndTyres"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "12"**,** name**:** "carbonDoorMirrors"**,** category**:** "exterior"**,** price**:** "1500"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "13"**,** name**:** "modelDeletion"**,** category**:** "exterior"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "14"**,** name**:** "flatBottomedSteeringWheel"**,** category**:** "steeringWheel"**,** price**:** "0"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "15"**,** name**:** "autoDimmingRearViewMirror"**,** category**:** "comfort"**,** price**:** "300"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "16"**,** name**:** "autoDimmingMemoryDoorMirrors"**,** category**:** "comfort"**,** price**:** "350"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "17"**,** name**:** "3ZoneClimateControl"**,** category**:** "comfort"**,** price**:** "400"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "18"**,** name**:** "electricBootRelease"**,** category**:** "comfort"**,** price**:** "150"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "19"**,** name**:** "virtualCockpit"**,** category**:** "audioAndComms"**,** price**:** "850"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "20"**,** name**:** "navigationPlus"**,** category**:** "audioAndComms"**,** price**:** "1000"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "21"**,** name**:** "bO3DSoundSystem"**,** category**:** "audioAndComms"**,** price**:** "1200"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "22"**,** name**:** "wirelessCharging"**,** category**:** "audioAndComms"**,** price**:** "150"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "23"**,** name**:** "sideAssist"**,** category**:** "assistanceSystems"**,** price**:** "100"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "24"**,** name**:** "driverAssistPackTour"**,** category**:** "assistanceSystems"**,** price**:** "750"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "25"**,** name**:** "parkAssist"**,** category**:** "assistanceSystems"**,** price**:** "650"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "26"**,** name**:** "ceramicBrakes"**,** category**:** "safetyAndTech"**,** price**:** "3000"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "27"**,** name**:** "dynamicSteering"**,** category**:** "safetyAndTech"**,** price**:** "2000"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "28"**,** name**:** "redBrakeCalipers"**,** category**:** "safetyAndTech"**,** price**:** "1800"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "29"**,** name**:** "sportSuspensionWithDRC"**,** category**:** "safetyAndTech"**,** price**:** "1600"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

**>** db.options.insert **({**\_id**:** "30"**,** name**:** "topSpeedRestrictionIncrease"**,** category**:** "safetyAndTech"**,** price**:** "300"**})**

WriteResult**({** "nInserted" **:** 1 **}) //create row in options table**

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/soft352";

MongoClient.connect(url, function(err, db) {

if (err) throw err;

console.log("Database created!");

db.close();

});

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {

if (err) throw err;

var dbo = db.db("soft352");

dbo.createCollection("cars", function(err, res) {

if (err) throw err;

console.log("Collection created!");

db.close();

});

});

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {

if (err) throw err;

var dbo = db.db("soft352");

dbo.createCollection("options", function(err, res) {

if (err) throw err;

console.log("Collection created!");

db.close();

});

});

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {

if (err) throw err;

var dbo = db.db("soft352");

var myobj = { \_id:"1", name: "RS5", price: "61,690", power:"450", displacement:"2894", engine:"2.9TFSI quattro tiptronic" };

dbo.collection("cars").insertOne(myobj, function(err, res) {

if (err) throw err;

console.log("1 document inserted");

db.close();

});

});

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {

if (err) throw err;

var dbo = db.db("soft352");

dbo.collection("cars").find({}).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

});

});

var MongoClient = require('mongodb').MongoClient;

var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {

if (err) throw err;

var dbo = db.db("soft352");

var myobj = [ {\_id: "1", name: "blue", category: "paint", price: "645"},

                {\_id: "2", name: "grey", category: "paint", price: "0"},

                {\_id: "3", name: "19 inch", category: "alloys", price: "0"},

                {\_id: "4", name: "20 inch", category: "alloys", price: "2000"},

                {\_id: "5", name: "led", category: "headlights", price: "0"},

                {\_id: "6", name: "matrixLed", category: "headlights", price: "850"},

                {\_id: "7", name: "redAndBlack", category: "seatingAndDash", price: "0"},

                {\_id: "8", name: "lunar", category: "seatingAndDash", price: "0"},

                {\_id: "9", name: "sSuperSportsSeats", category: "seats", price: "0"},

                {\_id: "10", name: "spareWheel", category: "wheelsAndTyres", price: "0"},

                {\_id: "11", name: "toolkitAndJack", category: "wheelsAndTyres", price: "0"},

                {\_id: "12", name: "carbonDoorMirrors", category: "exterior", price: "1200"},

                {\_id: "13", name: "modelDeletion", category: "exterior", price: "0"},

                {\_id: "14", name: "flatBottomedSteeringWheel", category: "steeringWheel", price: "0"},

                {\_id: "15", name: "autoDimmingRearViewMirror", category: "comfort", price: "0"},

                {\_id: "16", name: "autoDimmingMemoryDoorMirrors", category: "comfort", price: "125"},

                {\_id: "17", name: "3ZoneClimateControl", category: "comfort", price: "0"},

                {\_id: "18", name: "electricBootRelease", category: "comfort", price: "0"},

                {\_id: "19", name: "virtualCockpit", category: "audioAndComms", price: "0"},

                {\_id: "20", name: "navigationPlus", category: "audioAndComms", price: "0"},

                {\_id: "21", name: "bO3DSoundSystem", category: "audioAndComms", price: "750"},

                {\_id: "22", name: "wirelessCharging", category: "audioAndComms", price: "325"},

                {\_id: "23", name: "sideAssist", category: "assistanceSystems", price: "0"},

                {\_id: "24", name: "driverAssistPackTour", category: "assistanceSystems", price: "1250"},

                {\_id: "25", name: "parkAssist", category: "assistanceSystems", price: "1000"},

                {\_id: "26", name: "ceramicBrakes", category: "safetyAndTech", price: "6000"},

                {\_id: "27", name: "dynamicSteering", category: "safetyAndTech", price: "950"},

                {\_id: "28", name: "redBrakeCalipers", category: "safetyAndTech", price: "400"},

                {\_id: "29", name: "sportSuspensionWithDRC", category: "safetyAndTech", price: "2000"},

                {\_id: "30", name: "topSpeedRestrictionIncrease", category: "safetyAndTech", price: "1450"},

                {\_id: "31", name: "panoramicRoof", category: "roofAndWindows", price: "1250"},

                {\_id: "32", name: "privacyGlass", category: "roofAndWindows", price: "375"}];

dbo.collection("options").insertMany(myobj, function(err, res) {

if (err) throw err;

console.log("number of documents inserted: " + res.insertedCount);

db.close();

});

});

var query = {\_id: '31'};

var cursor = dbo.collection('options').find(query).toArray(function(err, result){

if (err) throw err;

console.log(result);

db.close();

}); //finds query and shows it

> db.cars.find({\_id:"1"}, {price:1, \_id:0}) //in command prompt, shows just price

{ "price" : "61,690" }

var query = {\_id: '31'};

var cursor = dbo.collection('options').find(query).project({price:1, \_id:0})(function(err, result){

if (err) throw err;

console.log(result);

db.close();

}); //.project should show the price and not the ID from JS file, error, doesn’t like the var cursor line