Advanced Database Programming Portfolio 2 - MongoDB

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2016

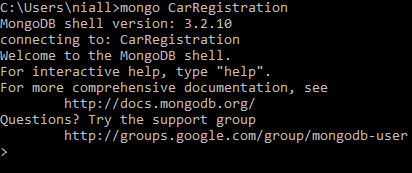
# Q1 - Implementing My Own CouchDB Database

## Introduction:

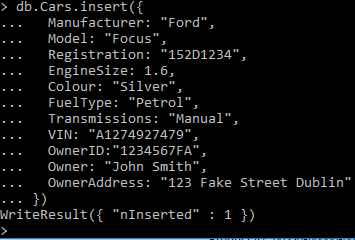
## Vision:

## Creating the Database:

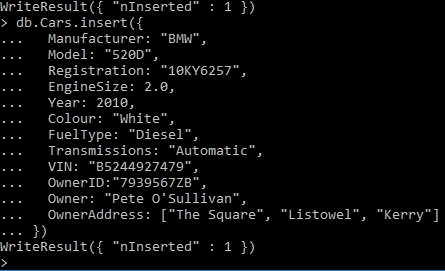
To create the Database, the same command is used as to connect to it



Creating a collection is also uses the same command as is used to add a document to a collection



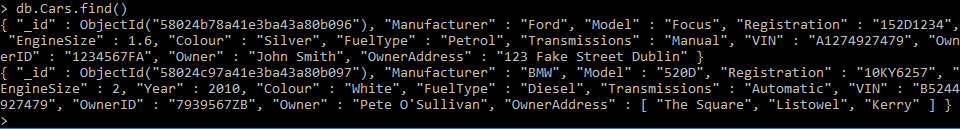
I inserted another document but instead of having a single string for address I created a array



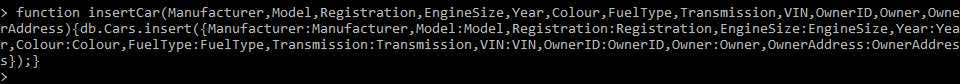
To view all collections in the database just use the simple command – “show collections”



To view all the documents in a collection



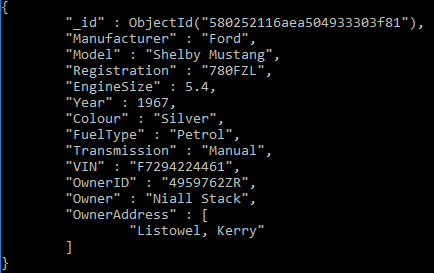
MongoDB allows for functions to be created that can speed up the population process



Using this function I can add a document to the collection with a more simplified insert



Which could then be seen in the collection



## Reading From the Database:

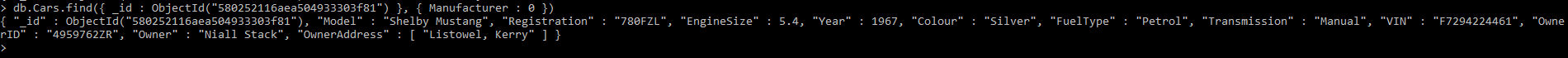
To make it easier to read add .pretty()



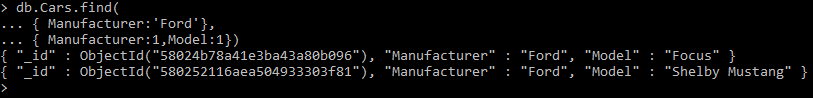
It is also possible to just view one field with the ID by setting it to one



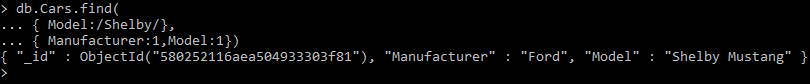
Then by turning changing it to zero you get all fields except that one



You can also search for exact values



Also by partial values

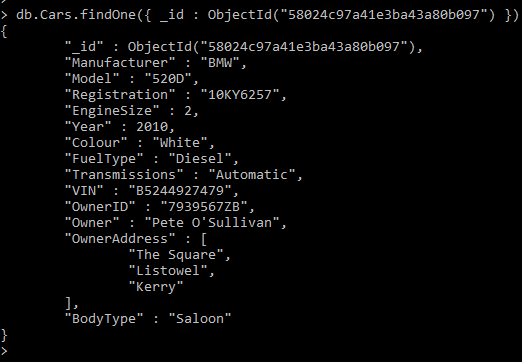


## Updating the Database

In Mongo it is simply to update an existing document for example by adding a field



We can check this with the findOne command



Not only can we use $set we can use $inc to increment a number, like the year

