Database schema for car dealership:

Client (

Id int, PK,

FirstName nvarchar(50),

LastName nvarchar(50) ),

Store (

Id int PK,

Name nvarchar(50),

Address nvarchar(255),

City nvarchar(50));

Car (

Id int PK,

Manufacturer nvarchar(50),

Model nvarchar(50),

Price money)

Order (

Id int PK,

ClientId int FK to Client,

StoreId int FK to Store,

CarId int FK to Car,

PurchasePrice money)

Create the database as described above.

Create the C# script that would populate these tables with random data (fake data is often used for automation tests and several other use-cases)

Create a Asp.Net API with an Analytics Controller that can do the following:

For each store, calculate

* the number of clients that made an order in that store,
* Total number of orders,
* total price of all the cars sold,
* average price of the cars that were sold

This data should be separate for each month for last 12 months and separately for entire 12 month period.

Data should be loaded using a stored proc but you can mix processing that data ins stored proc and on the API