/\* Samuel Greenlee \*/

/\* SQL Server \*/

/\* Use Statement for SamsCarsSGG Database \*/

Use SamsCarsSGG;

/\* Not View \*/

Create View EnginesNotV6

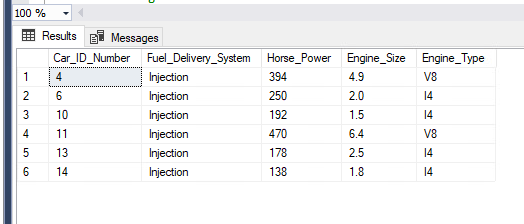
As

Select \*

From Engine

Where Not Engine\_Type = 'V6';

Select \* From EnginesNotV6;



/\* Aggregate Function, Group By and Having View \*/

Create View EngineSizeDifference

As

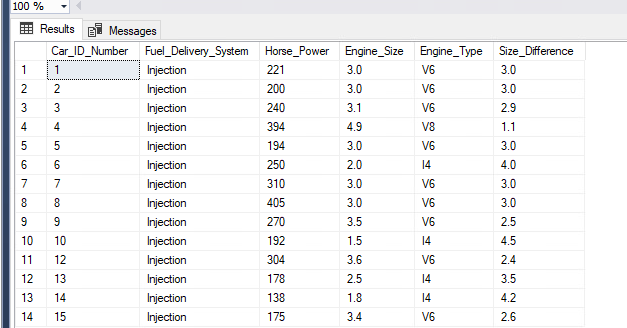
Select Car\_ID\_Number, Fuel\_Delivery\_System, Horse\_Power, Engine\_Size, Engine\_Type, SUM(6.0 - Engine\_Size) as 'Size\_Difference'

From Engine

Group By Car\_ID\_Number, Fuel\_Delivery\_System, Horse\_Power, Engine\_Size, Engine\_Type

Having Engine\_Size < 6.0;

Select \* From EngineSizeDifference;



/\* Inner Join View \*/

Create View CarEngineTypeMatch

As

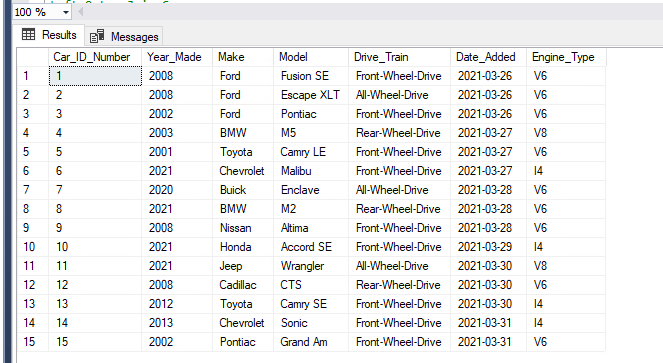
Select c.Car\_ID\_Number, Year\_Made, Make, Model, Drive\_Train, Date\_Added, Engine\_Type

From Car as c

Inner Join Engine as e

On c.Car\_ID\_Number = e.Car\_ID\_Number;

Select \* From CarEngineTypeMatch;



/\* Outer Join, AND, WHERE View \*/

Create View UnusedEngines

As

Select e.Car\_ID\_Number, Fuel\_Delivery\_System, Horse\_Power, Engine\_Size, Engine\_Type, Year\_Made, Make, Model

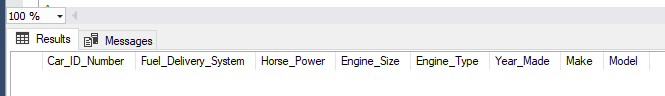
From Engine as e

Left Outer Join Car as c

On e.Car\_ID\_Number = c.Car\_ID\_Number

Where Year\_Made Is Null AND Make Is Null AND Model = Null;

Select \* From UnusedEngines;



/\* Subquery View \*/

Create View CarsWithI4Engines

As

Select \*

From Car

Where Car\_ID\_Number IN (

Select Car\_ID\_Number

From Engine

Where Engine\_Type = 'I4'

);

Select \* From CarsWithI4Engines;

