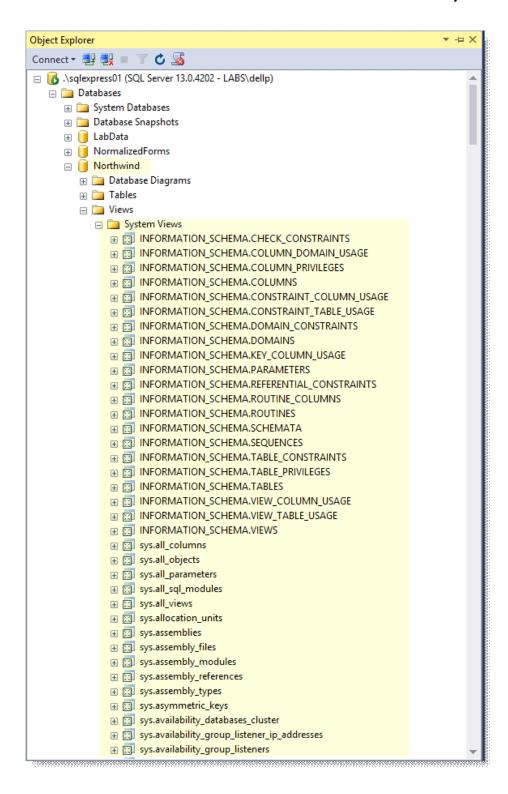
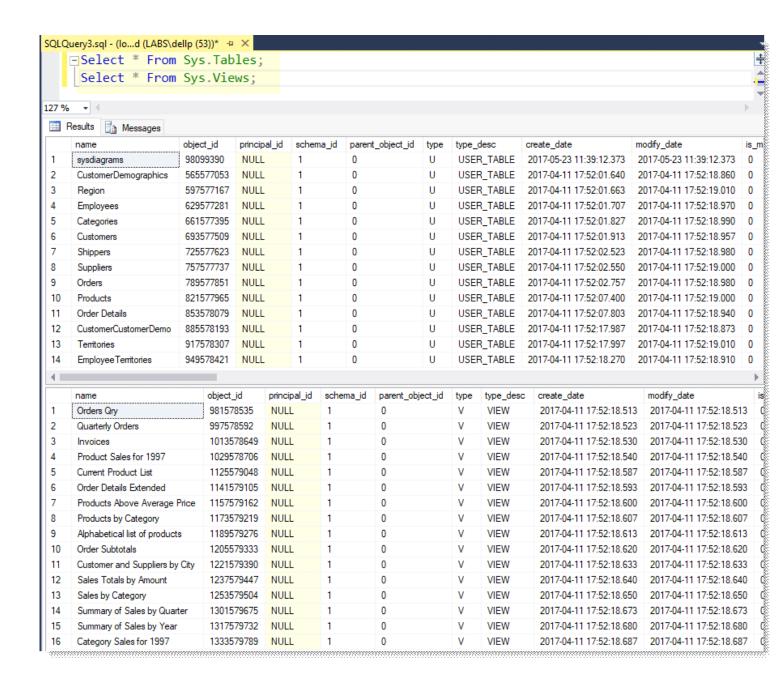
## SelectSystemTablesViews.sql

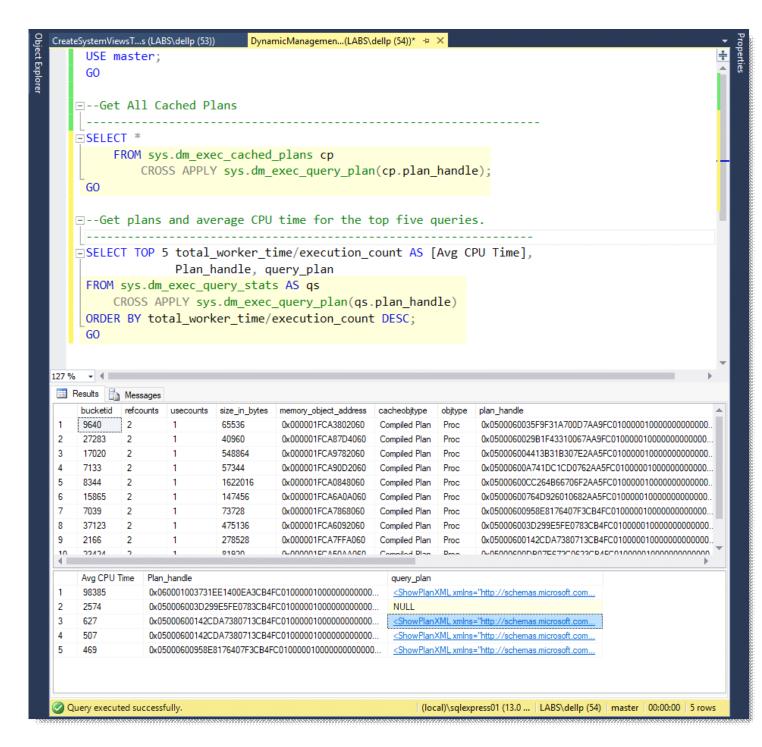






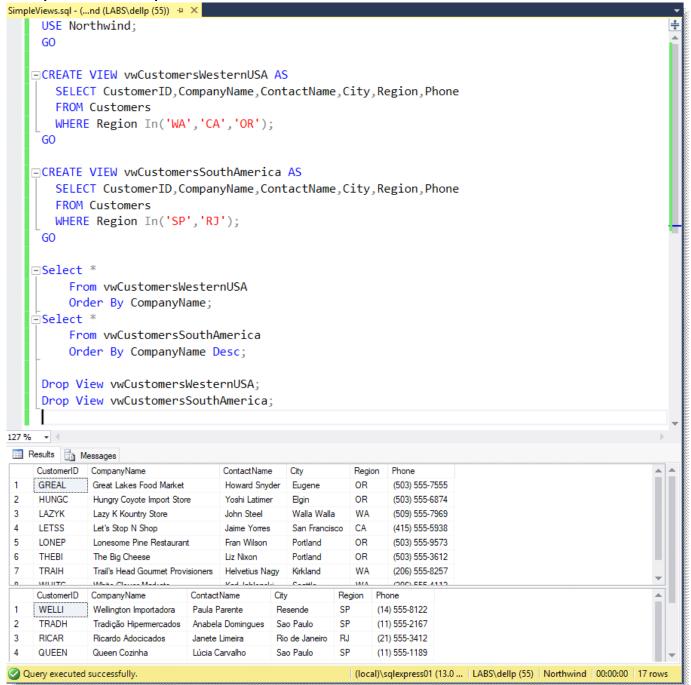
Friday, May 26, 2017 12:15 PM

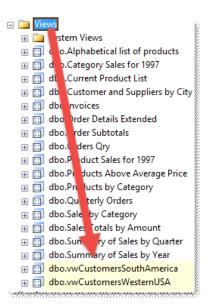
# DynamicManagementViews.sql



3:17 PM

## SimpleViews.sql

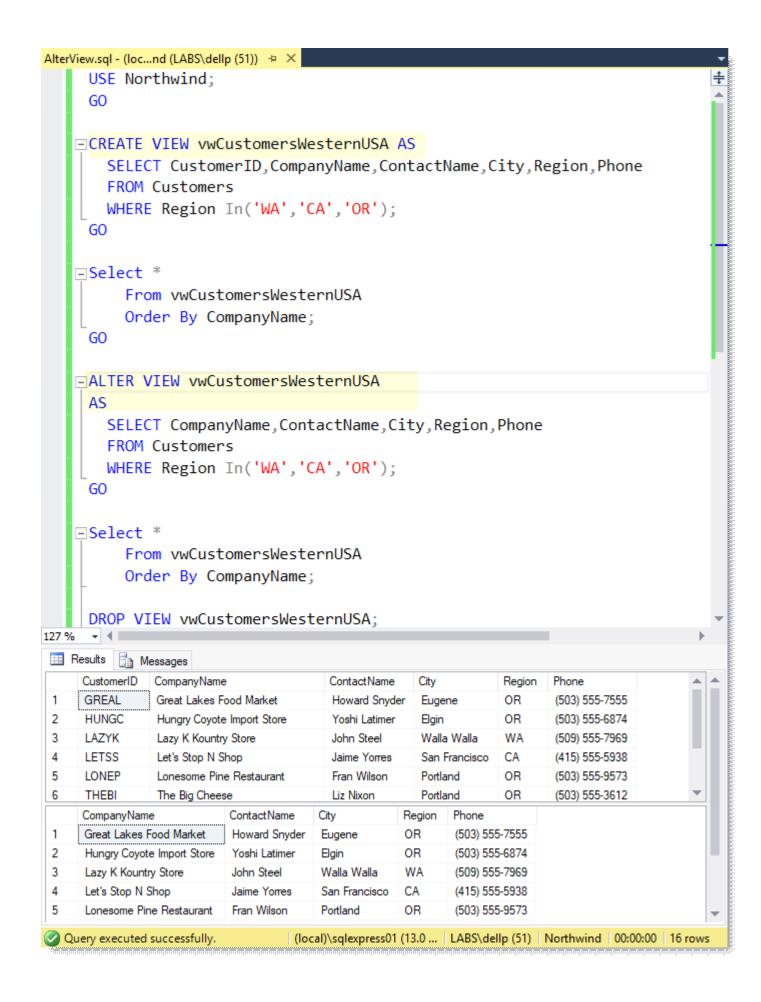




## Alter View

Friday, May 26, 2017 1:35 PM

ALterViews.sql



### **Updatable Views**

Friday, May 26, 2017 2:09 PM

#### When can a view be updated?

- 1. The view is defined based on one and only one table.
- 2. The view must include the PRIMARY KEY of the table based upon which the view has been created.
- 3. The view should not have any field made out of aggregate functions.
- 4. The view must not have any DISTINCT clause in its definition.
- 5. The view must not have any GROUP BY or HAVING clause in its definition.
- 6. The view must not have any SUBQUERIES in its definitions.
- 7. If the view you want to update is based upon another view, the later should be updatable.
- 8. Any of the selected output fields (of the view) must not use constants, strings or value expressions.

#### Syntax:

```
UPDATE < view_name > SET<column1>=<value1>,<column2>=<value2>,.....
WHERE <condition>;
```

```
UpdatableView.sql -...d (LABS\dellp (51))* → ×
     USE Northwind;
     G<sub>0</sub>
   □ CREATE VIEW vwCustomersWesternUSA AS
        SELECT CustomerID, CompanyName, ContactName, City, Region, Phone
        FROM Customers
        WHERE Region In('WA', 'CA', 'OR');
     G<sub>0</sub>
    UPDATE vwCustomersWesternUSA
          Set ContactName='Mickey Mouse'
          WHERE CustomerID='LETSS'
     G<sub>0</sub>
    ■ INSERT INTO vwCustomersWesternUSA
               (CustomerID, CompanyName, ContactName, City, Region, Phone)
     VALUES ('ANYW2', 'AnyWare', 'Dell Payne', 'Placerville', 'CA', '(916) 123-1234');
     G0
    Select *
          From vwCustomersWesternUSA
          Order By CompanyName;
     DROP VIEW vwCustomersWesternUSA;
     G0
127 % 🕶 🖣 🖩
III Results 📑 Messages
    CustomerID CompanyName
                                     ContactName City
                                                            Region Phone
    ANYW2
              AnyWare
                                     Dell Payne
                                                 Placerville
                                                            CA
                                                                   (916) 123-1234
                                     Dell Payne
2
                                                            CA (916) 123-1234
                                              Placerville
     ANYWR
             AnyWare
                                                                  (503) 555,7555
     GREAL
              Great Lakee Food Market
                                     Howard Souder Fugene
                                                           OR
```

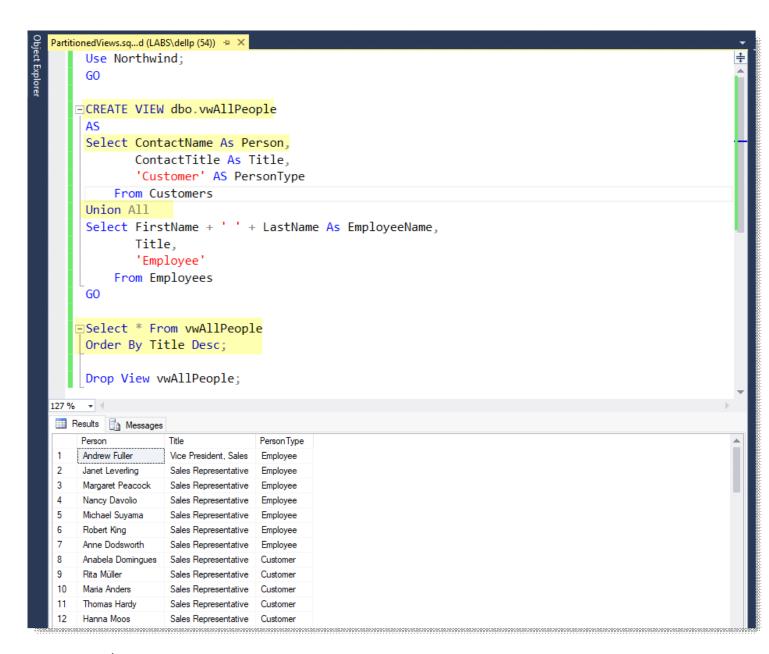
	CustomerID	CompanyName	ContactName	City	Region	Phone
1	ANYW2	AnyWare	Dell Payne	Placerville	CA	(916) 123-1234
2	ANYWR	AnyWare	Dell Payne	Placerville	CA	(916) 123-1234
3	GREAL	Great Lakes Food Market	Howard Snyder	Eugene	OR	(503) 555-7555
4	HUNGC	Hungry Coyote Import Store	Yoshi Latimer	Elgin	OR	(503) 555-6874
5	LAZYK	Lazy K Kountry Store	John Steel	Walla Walla	WA	(509) 555-7969
6	LETSS	Let's Stop N Shop	Mickey Mouse	San Francisco	CA	(415) 555-5938
7	LONEP	Lonesome Pine Restaurant	Fran Wilson	Portland	OR	(503) 555-9573
8	THEBI	The Big Cheese	Liz Nixon	Portland	OR	(503) 555-3612
9	TRAIH	Trail's Head Gournet Provisioners	Helvetius Nagy	Kirkland	WA	(206) 555-8257
10	WHITC	White Clover Markets	Karl Jablonski	Seattle	WA	(206) 555-4112

Query executed successfully.

(local)\sqlexpress01 (13.0 ... | LABS\dellp (51) | Northwind | 00:00:00 | 10 rows

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IF There is TIME...

```
02-ExceptIntersect....nd (LABS\dellp (67))* → × PartitionedViews.sq...d (LABS\dellp (66))
     1 Use Northwind;
     2 Go
     3
     4 -- Returns Rows that are NOT Common between each other
     5 ⊟Select Country, City From Customers
     6 Except
        Select Country, City From Suppliers
     7
        Order By Country, City;
     9 Go
    10
    11 -- Returns Rows that ARE Common between each other
    12 □ Select Country, City From Customers
    13 Intersect
    14
       Select Country, City From Suppliers
    15 Order By Country,City;
    16
```

#### **Indexed Views**

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#### IF THERE IS TIME

### IndexedViews

