

SQL IDENTITY Property

- Used with INT data type
- Automatically created by SQL Server
- -Commonly used with Primary Keys (surrogate keys)
- –Only one column with the IDENTITY property per table

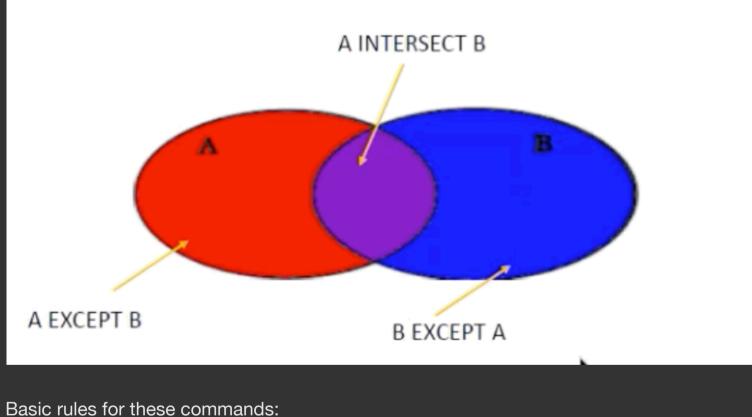
IDENT_CURRENT @@IDENTITY SCOPE_IDENTITY()

• SUBQUERY

```
SIMPLE SUBQUERY
(没有用到任何外表的值, 不被外表驱动)
     13 SELECT *
     14 FROM Products
     15 WHERE ProductID = (SELECT MAX(ProductID) FROM Products);
     16
     17
     18 -- Correlated Subquery
 Results 🖔 Messages
                              Supplie... Category... QuantityPer... UnitPri... UnitsInSto... UnitsOnOr... ReorderLe... Discontinu...
    77 Original Frankfurter grüne Soße 12
```

```
CORRELATED SUBQUERY
           SELECT C.CompanyName,
                                    C.City,
       24
                                    C. Country,
       25
                                     (SELECT Count(SupplierID)
       26
                                      FROM Sympliers S
       27
                                      WHERE S. Country = C. Country) AS [Total Suppliers]
       28
            FROM Customers C
       30
       31
 100 % -
 Results Messages
      CompanyName
                                                     Total Suppli...
                                  City
                                             Country
      Alfreds Futterkiste
                                   Berlin
                                                     3
                                             Germany
       Ana Trujillo Emparedados y helados
                                   México D.F.
                                             Mexico
       Antonio Moreno Taquería
                                             Мехісо
                                   México D.F.
                                                     0
       Around the Horn
                                   London
                                             UK
                                   Luleá
       Berglunds snabbköp
                                             Sweden
                                   Mannheim
                                             Germany
       Blauer See Delikatessen
       Blondesddsl père et fils
                                   Strasbourg
                                             France
Driven by outer query
```

• INTERSECT AND EXCEPT Commands



• Number and orders of columns must be same

- Data type must be same or compatible

```
-- Uses EXCEPT
SELECT ProductID FROM Production.Product
 SELECT ProductID FROM Sales.SalesOrderDetail;
 -- Uses IN and a subquery
SELECT DISTINCT ProductID
 FROM Production.Product
 WHERE ProductID NOT IN (SELECT DISTINCT ProductID FROM Sales.SalesOrderDetail);
 -- Uses LEFT JOIN
SELECT DISTINCT P.ProductID
FROM Production Product P
LEFT JOIN Sales.SalesOrderDetail S
ON P.ProductID = S.ProductID
 WHERE & ProductID TS MILL
```

Type of Indexes clustered

- Leaf node is actual data pages Non-clustered
- Leaf node is key pointer to data

• Both are unique or non-unique 数据库索引

https://zhidao.baidu.com/question/92889097.html