BETWEEN Operator

--Examples of using the Between operator:

USE AdventureWorks2012

GO

--All data from product table in a descending order

SELECT \*

FROM [AdventureWorks2012].[Production].[Product]

ORDER BY StandardCost DESC

--Using Between operator for standard cost range

SELECT [ProductID]

,[Name]

,[ProductNumber]

,[StandardCost]

,[ListPrice]

,SellStartDate

FROM [AdventureWorks2012].[Production].[Product]

WHERE [StandardCost] BETWEEN 10 AND 13 --<< Note that the query did not include the 13. Some databases exclude the last value, as in this example

ORDER BY StandardCost DESC

--Using NOT BETWEEN operator for standard cost range. This excludes everything but values 749 and 753

SELECT [ProductID]

,[Name]

,[ProductNumber]

,[StandardCost]

,[ListPrice]

,SellStartDate

FROM [AdventureWorks2012].[Production].[Product]

WHERE [ProductID] NOT BETWEEN 749 AND 753

ORDER BY StandardCost DESC

--Combining the BETWEEN and IN operator.

--This will give all results except data for ProductID IN (749,750,751) and [StandardCost] BETWEEN 10 AND 13

SELECT [ProductID]

,[Name]

,[ProductNumber]

,[StandardCost]

,[ListPrice]

,SellStartDate

FROM [AdventureWorks2012].[Production].[Product]

WHERE [StandardCost] BETWEEN 10 AND 13 --<< Give data for this standardcost range

AND NOT ProductID IN (749,750,751); --<< Exclude

--Using Between for text range values

SELECT [ProductID]

,[Name]

,[ProductNumber]

,[StandardCost]

,[ListPrice]

,SellStartDate

FROM [AdventureWorks2012].[Production].[Product]

WHERE Name BETWEEN 'B' AND 'L'

ORDER BY NAME

--Using NOT Between for text range values

SELECT [ProductID]

,[Name]

,[ProductNumber]

,[StandardCost]

,[ListPrice]

,SellStartDate

FROM [AdventureWorks2012].[Production].[Product]

WHERE Name NOT BETWEEN 'B' AND 'L'--<< Include all but data for B and L

ORDER BY NAME

--Using Between for a date range

SELECT [ProductID]

,[Name]

,[ProductNumber]

,[StandardCost]

,[ListPrice]

,SellStartDate

FROM [AdventureWorks2012].[Production].[Product]

WHERE SellStartDate BETWEEN '2002-06-01 00:00:00.000' AND '2006-07-01 00:00:00.000'