

Sorting using the ORDER BY Clause Practice Problems

- 1) From the HumanResources.vEmployeeDepartment view, return the FirstName, LastName and JobTitle columns. Sort the results by the FirstName column in ascending order.
- 2) Modify the query from question 1 to sort the results by the FirstName column in ascending order and then by the LastName column in descending order.
- 3) From the Sales.vIndividualCustomer view, return the FirstName, LastName and CountryRegionName columns. Sort the results by the CountryRegionName column. Use the column ordinal in the ORDER BY clause.
- 4) From the Sales.vIndividualCustomer view, return the FirstName, LastName and CountryRegionName columns for those rows with a CountryRegionName that is either "United States" or "France". Sort the results by the CountryRegionName column in ascending order.
- 5) From the Sales.vStoreWithDemographics view, return the Name, AnnualSales, YearOpened, SquareFeet, and NumberEmployees columns. Give the SquareFeet column the alias "Store Size" and the NumberEmployees column the alias "Total Employees". Return only those rows with AnnualSales greater than 1,000,000 and with NumberEmployees greater than or equal to 45. Order your results by the "Store Size" alias in descending order and then by the "Total Employees" alias in descending order.

Sorting Using the ORDER BY Clause Practice Problem Solutions

Question 1:

```
SELECT
    FirstName,
    LastName,
    JobTitle
FROM HumanResources.vEmployeeDepartment
ORDER BY FirstName ASC
```

Question 2:

```
SELECT
    FirstName,
    LastName,
    JobTitle
FROM HumanResources.vEmployeeDepartment
ORDER BY FirstName, LastName DESC
```

Question 3:

```
SELECT
    FirstName,
    LastName,
    CountryRegionName
FROM Sales.vIndividualCustomer
ORDER BY 3
```

Question 4:

```
SELECT
    FirstName,
    LastName,
    CountryRegionName
FROM Sales.vIndividualCustomer
WHERE CountryRegionName IN ('United States', 'France')
ORDER BY CountryRegionName
```

Question 5:

```
SELECT
    Name,
    AnnualSales,
    YearOpened,
    SquareFeet AS [Store Size],
    NumberEmployees AS [Total Employees]
FROM Sales.vStoreWithDemographics
WHERE AnnualSales > 1000000
    AND NumberEmployees >= 45
ORDER BY [Store Size] DESC, [Total Employees] DESC
```