

Ranking And Ordering By a Measure Value

The following example is based on an Adventure Works cube and shows you how to create a measure that ranks countries according to sales revenue.

It implements the following MDX functions:

- Rank
- CurrentMember
- Children
- Order

The MDX WITH MEMBER statement creates a temporary measure for the rank value based on total internet sales in the calendar year 2006, and the associated SELECT part uses the rank to order the countries.

```
WITH MEMBER [Measures].[Rank] AS
    Rank([Customer].[Customer Geography].CurrentMember,
        [Customer].[Customer Geography].[All Customers].Children,
        [Measures].[Internet Sales Amount]
    )
SELECT {[Measures].[Internet Sales Amount],
        [Measures].[Rank]} ON 0,
        {Order([Customer].[Customer Geography].[All Customers].Children,
            [Measures].[Rank], ASC)} ON 1
FROM [Adventure Works]
WHERE [Date].[Calendar].[Calendar Year].&[2006]
```