

The aim of this exercise is to produce the following pivot table:

Number of staff		Column Labels	
Row Labels	Non-sales	Sales staff	Grand Total
Just plain old	2	155	157
Not so springy	12	1710	1722
Spring chicken		401	401
<b>Grand Total</b>	<b>14</b>	<b>2266</b>	<b>2280</b>

*Staff are categorised by age band and sales status.*

To start, if you haven't already done so run the script in the above folder to generate the **MAM** database (not for commercial use or copying).

Create an Excel workbook, and connect to the **tblStaff** table in the **MAM** database. Within this table, create a new column:

[BirthYear]	fx =year([DateBorn])	
DateBorn	IfCanSell	BirthYear
05/01/1953 0...	TRUE	1953
12/07/1963 0...	TRUE	1963
25/11/1999 0...	TRUE	1999

*The new column gives the year corresponding to any date of birth.*

Now create another new workbook, and in this put two new worksheets:

	A	B
1	StaffType	Description
2	FALSE	Non-sales
3	TRUE	Sales staff
4		

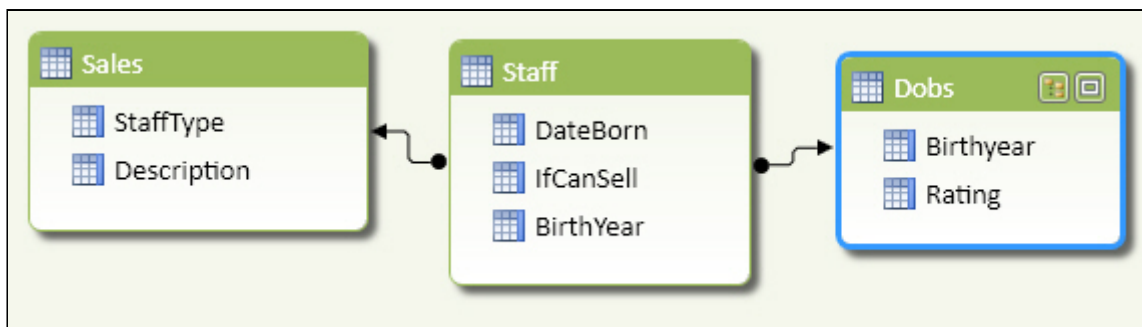
	A	B
1	Birthyear	Rating
2	1999	Spring chicken
3	1998	Spring chicken
4	1997	Spring chicken
5	1996	Spring chicken
6	1995	Spring chicken

*Assigning sales terms    Categorising ages*

*You can use any ratings you like for ages, but to get the figures shown above you'll need to use **Spring chicken** for 1984 onwards, **Not so springy** for 1953 to 1983 and **Just plain old** for 1900 to 1952.*

Save this workbook as **Staff tables**, and close it down.

In your original workbook, connect to these two Excel tables in PowerPivot, and create relationships as shown below:



*For each staff member you can get the type and the age rating.*

Now create the pivot table shown at the start of this exercise, then save this workbook as **Staff breakdown** and close it down.