



## Exercise Two

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2.1. Using the club\_65 table and listagg function, group the first names of each pensioner to their Location ...

<i>Location</i>	<i>Members</i>
-----	-----
1	PAUL
2	BILL,IAN
3	MADGE,MIKE
4	CHRIS,NERRIS
5	ANDREW,KATHLEEN
6	BETTY,CATHERINE,MARY
7	FLORENCE,HARRY,RICHARD
8	PHILIP,ROBIN,SHARON
9	DAVID,PAUL,PETER

*61 rows selected.*



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2.2. The Share\_Index table contains six years of footsie values, using the pivot function group the results into Months by Year as below ...

<i>Year</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr</i>
-----	-----	-----	-----	-----
1998				
1999	119516.9	120215.844	141876.585	129197.112
2000	129432.048	129748.892	150453.667	126111.4
2001	136256.503	122368.241	125695.026	109589.967
2002	114198.506	102536.114	105048.134	109332.824
2003	83309.933	72878.101	76396.0574	61594.5499



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2.3. Create a query on the Stock\_Sales table, displaying the number of days between sales for stock number 7, use the lead function to achieve the output as follows ...

<i>Current</i>	<i>Next</i>	<i>Difference</i>
-----	-----	-----
26-MAR-01	17-OCT-01	205
17-OCT-01	11-JAN-02	86
11-JAN-02		



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2.4 Returning to the Share\_Index table, create a query which will compare the monthly average with the previous months result, use the lag function to achieve this.

<i>Month</i>	<i>Index</i>	<i>Previous</i>	<i>Difference</i>
-----	-----	-----	-----
1998-06	5847.0446		
1998-07	5987.18692	5847.0446	140.142317
1998-08	5555.75664	5987.18692	-431.43029
1998-09	5171.92945	5555.75664	-383.82719
1998-10	5063.84052	5171.92945	-108.08893
1998-11	5595.57071	5063.84052	531.730191
1998-12	5686.26374	5595.57071	90.6930255
1999-01	5975.845	5686.26374	289.58126
1999-02	6010.7922	5975.845	34.947205
1999-03	6168.54715	6010.7922	157.754952
1999-04	6459.85559	6168.54715	291.308433



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2.5 Using the `Stock_sales` table rank the stock according to the number of items sold. Use the rank function.

<i>Stock</i>	<i>Sold</i>	<i>Position</i>
5	74	1
4	50	2
7	34	3
11	29	4
3	25	5
1	24	6
21	22	7
10	22	7
13	20	9
22	18	10
12	15	11



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2.6 Continuing with the `Stock_sales` table use the `ntile` function to group the sales results into three categories as below ...

<i>Stock</i>	<i>Sold</i>	<i>Result</i>
5	74	<i>Outstanding</i>
4	50	<i>Outstanding</i>
7	34	<i>Outstanding</i>
...		
26	10	<i>Acceptable</i>
23	9	<i>Acceptable</i>
2	8	<i>Acceptable</i>
...		
24	2	<i>Discontinue</i>
15	1	<i>Discontinue</i>
19	1	<i>Discontinue</i>