

Exercise Five



5.1 Share_Index is a table which contains the Footsie 100 share index results for five years, create a query which produces a 'lag' output for the 2002 year, restrict the records selected to only those for Fridays (in other words index values for the end of the week). An additional column should display the difference between the two figures. Output should look like this

Date	This Fridays Close	Last Fridays Close	Difference
04-JAN-2002	5323.7563		
11-JAN-2002	5198.5690	5323.7563	-125.1873
18-JAN-2002	5126.7926	5198.5690	-71.7764
25-JAN-2002	5193.0456	5126.7926	66.2530
01-FEB-2002	5189.6829	5193.0456	-3.3627

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5.2 Create a new query on Share_Index which similar to ex1.1 produces a 'lag' output for the 2002 period, restricting the records selected to only those for Fridays but this time produce a column which expresses the market fluctuation in a sentence, use the Case function to produce the output. Output should look like this (note how the first record is dealt with)

Date	End of Weeks Trading	Situation
04-JAN-2002	5323.7563	No Previous Weeks result
11-JAN-2002	5198.5690	Index Down 126 points on last week
18-JAN-2002	5126.7926	Index Down 72 points on last week
25-JAN-2002	5193.0456	Index up 66 points on last week
01-FEB-2002	5189.6829	Index Down 4 points on last week
08-FEB-2002	5128.0905	Index Down 62 points on last week



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5.3 Using the Rank function, select records from the Share_index table and rank all the months in order of highest trading values, use avg or max function to 'group' together the individual index values. The output should be as follows ...

Date	Average Index	Rank
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DEC-1999	6719.8204	1
MAR-2000	6541.4638	2
NOV-1999	6487.4923	3
AUG-2000	6483.6506	4
JAN-2000	6471.6024	5
SEP-2000	6462.6327	6
APR-1999	6459.8556	7

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5.4 Using the First_value functions create a query from the Share_Index table listing the First index value and the difference between this and the index value for each succeeding day. The output should look as follows ..

Date	Starting Index	Difference
02-JUN-1998	5842.3397	0.0000
03-JUN-1998	5842.3397	56.0766
04-JUN-1998	5842.3397	18.4390
05-JUN-1998	5842.3397	104.9137
08-JUN-1998	5842.3397	195.4674
09-JUN-1998	5842.3397	177.5048
10-JUN-1998	5842.3397	145.0557
11-JUN-1998	5842.3397	10.1521
12-JUN-1998	5842.3397	-72.4981
15-JUN-1998	5842.3397	-126.6729