

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Understanding SQL: Somerset Cars

A car dealer stores data about the cars in their showroom. Figure 1 shows the data returned from the database when the SQL command `SELECT * FROM Cars` is executed.

CarID	Make	Model	Year	ValidMOT	Price	Colour
001	Audi	A3 Sport	2012	TRUE	10000	Black
002	Nissan	Qashqai	2010	TRUE	8000	Orange
003	Peugeot	206	2005	FALSE	400	Black
004	Audi	A6	2010	TRUE	7095	Blue
005	Audi	Q3 Sport	2018	TRUE	27095	Blue
006	Volkswagen	Golf	2013	FALSE	13049	Red
007	Volkswagen	Polo	2009	TRUE	7000	White
008	Ford	Focus	2010	TRUE	3949	White
009	BMW	Mini	2012	FALSE	6999	Purple
010	BMW	1 series	2017	TRUE	17000	White

Figure 1: Cars table


### Examples

Give the SQL command that would be needed to all car makes <b>beginning</b> with the letter "B". All fields must be shown.	Give the SQL command that would be needed to all car makes <b>ending</b> with the letter "n". Only the Make, Model, Year and Price should be shown.
<pre>SELECT * FROM Cars WHERE Make LIKE 'B%'</pre>	<pre>SELECT Make, Model, Year, Price FROM Cars WHERE Make LIKE '%n'</pre>
Give the SQL command that would be needed to all car makes <b>which contain</b> the letter "a". All fields must be shown.	
<pre>SELECT * FROM Cars WHERE Make LIKE '%a%'</pre>	

CarID	Make	Model	Year	ValidMOT	Price	Colour
001	Audi	A3 Sport	2012	TRUE	10000	Black
002	Nissan	Qashqai	2010	TRUE	8000	Orange
003	Peugeot	206	2005	FALSE	400	Black
004	Audi	A6	2010	TRUE	7095	Blue
005	Audi	Q3 Sport	2018	TRUE	27095	Blue
006	Volkswagen	Golf	2013	FALSE	13049	Red
007	Volkswagen	Polo	2009	TRUE	7000	White
008	Ford	Focus	2010	TRUE	3949	White
009	BMW	Mini	2012	FALSE	6999	Purple
010	BMW	1 series	2017	TRUE	17000	White

Figure 1: Cars table

### GOLD Challenges:

Q		Video Help
1	Give the SQL command that would be needed to show all cars where the model name begins with the letter "Q". Only the Make, Model and Colour needs to be displayed.	
2	Give the SQL command that would be needed to show all cars with a colour ending in the letter "e". Only the Make, Model and Price fields should be displayed.	
3	Give the SQL statement that would be needed to show all cars where the make contains the letter "u". Only the Make should be shown.	
4	Give the SQL statement that would be needed to show all cars where the make starts with the letter "a" or "b". All fields must be displayed in your results.	
5	Give the SQL statement that would be needed to show all cars where the colour starts with the letter "B" and are under £10,000. The Make, Model, Colour and Price must be displayed in the results.	
6	Give the SQL statement that would be needed to show all car brands which contain the word "wagen". All fields must be displayed and grouped by model.	
7	Give the SQL statement that would be needed to show all cars which contain a colour starting with "bl" and are either made by Audi or Volkswagen. All fields must be shown and should be displayed from most expensive to cheapest.	
8	Make up three of your own questions using as many of the operators and statements as possible. Try to make it as tricky as you can!	
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