04 – Syntax basics



SQL has an easy-to-understand syntax for querying databases

The order of SQL keywords matters as noted below (e.g. select before from; from before where; etc.)

SQL query	shapes Table			Sample queries				
Keyword	Action	shap 1 squa		cost 9		elect s.shape	shape 1 triangle	<pre>select s.shape</pre>
select from where	field(s) table(s) filter is/is not	2 trian 3 trian 4 trian 5 squa 6 circl	gle red gle green re blue	7	1 1 W	<pre>com snapes s ere s.shape = 'triangle'; elect s.shape </pre>	3 triangle 4 triangle	<pre>trom shapes s; shape</pre>
group by order by (1) Sorts data in descending (1)	field(s) field(s) ⁽¹⁾ ascending (asc) or desc) order	7 circl 8 squa 9 circl 10 trian 11 squa	e red re red e red gle red	10 13 16 12	, 2 item2; f item1 item2 g	rom shapes s1 triaroup by s.shape2 sq	ape angle uare cle	
		12 circl		2	<pre>select s.shape from shapes s group by s.shape; shape 1 circle 2 square 3 triangle</pre>	<pre>select s.shape from shapes s order by s.shape desc group by s.shape; Incorrect syntax near th keyword 'group'.</pre>		

