

Database

Keyword	Definition
Table	A collection of fields and records for a single entity
Field	A column in the table
Record	A row in the table
Data type	The type of data stored in a field eg, Text, Number, Date/Time, Yes/No
Primary key	Uniquely identifies each record
Flat file	A database with only one table
Query	A way of requesting information from a database
Report	An object enabling you to present the information in a database
Relational	A database with more than one table
Foreign key	Used to link two tables together, it refers to the Primary Key in another table
Relationship	Links data items between tables, three relationships can be created, one-to- one, one-to-many or many-to-many eg. One school can have many students.

Diagram illustrating a table structure with labels:

- Table name:** Animals
- Table:** The entire grid structure.
- Field:** A column (e.g., Animal, Length, TopSpeed).
- Field name:** The header of a column (e.g., Animal, Length, TopSpeed).
- Record:** A row (e.g., Lion, 2.8, 49.7).

Animal	Length	TopSpeed
Brown bear	2.48	21.7
Elk	1.4	45.1
Lion	2.8	49.7
Pig	0.9	10.9

Query Operators

Operator	Meaning	Example
<	Less than	<1.65
<=	Less than or equal to	<=40
>	Greater than	>1.9
>=	Greater than or equal to	>=30
=	Equal to	= "M"
BETWEEN	Tests for a range of values	BETWEEN 18 AND 25
AND	All criteria must be satisfied	
OR	At least one of the criteria must be satisfied	"medium" OR "overweight"
NOT	All criteria are satisfied except for the ones specified	NOT "bald" AND NOT "fair"