

# Year 5: Computing—Flat Files Databases

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Name	Group #	Occupation
Watts	1000	Model
Shelton	1000	Chef
Weber	1000	Chef
Tubbs	1001	Musician
Jones	1001	Musician
Carson	1001	Librarian

A database is an organised file of information that is stored. The information can be retrieved easily because the data is structured in a way which makes it accessible. It can be edited and added to. Databases are often stored on computers but can be paper based.

## Record View and Field View:

The screenshot shows a database interface with two views. On the left is the 'Record View' for 'Spain', showing fields for Country Name, Area (505,990 km<sup>2</sup>), Population (46439864), Language (Spanish), Flag (Spanish flag), and Currency (Euro). On the right is the 'Field View', showing a table of countries with columns for Country Name, Area (km<sup>2</sup>), Population, Language, Flag, and Currency. The table lists Russia, Canada, United States, China, and Brazil.

A database can be viewed in field view or record view. A field view shows all the data for all the information in a database. The record view is all the information from one entry about the same fact. A database can be searched

## KEY VOCABULARY:

- Database** Different substances around us, like wood, metal, and plastic.
- Record**: An individual set of information on a database.
- Field**: A category of information on a database such as name or class.
- Flat File**: A database where the information is arranged in rows and columns.
- Record View**: This is the view in which the data can be entered and one record viewed
- Field view**: This is the view that shows the entire database.
- Grouping**: When fields of information with similarities can be grouped
- Sorting**: The way in which a database can be organised. This might be alphabetical or number order.

## Presenting Data:

Once a database has been created it can easily be converted into a chart. This makes that data you have collected easier to analyse. Charts are quick and easy to interpret for people reading them.

How many legs do minibeasts have?

