



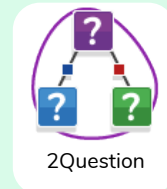
Year 3

Branching Databases

Key Learning

- To understand the concept of using 'Yes' or 'No' questions to sort objects.
- To understand and use a branching database effectively.
- To plan and create a branching database.
- To test and debug branching databases to correct errors.

Key Resources



Key Vocabulary

Binary Choice

A decision between only two distinct options.

Data

A set of facts or information that help us learn something or make decisions.

Debug/Debugging

The process of finding and fixing mistakes (known as bugs) in computer code or a program so that it works the way it's supposed to.

Binary Tree

Another name for a branching database.

Database

A place where data is stored or organised. It helps us find information quickly.

Record

A collection of related data or information that is stored together as a single unit.

Branching Database

A type of database that uses yes or no questions to help sort and identify objects.



Key Images



Add record

Click to add a new record



I'm ready to sort

Click to sort records in the tree



Edit records



Edit tree

Key Questions

What is meant by data?

Facts about something; data can be words, numbers or pictures. For example, the class register contains data about the names, addresses and attendance of the children in the class.

What is a database used for?

A database is used to store, organise, manage and retrieve data and information quickly and easily.

What is a branching database?

A branching database is used to sort and classify groups of objects. It is used to help identify objects by answering questions with either answer 'yes' or 'no'. Branching databases can also be called binary trees.

What makes a good question on a branching database?

Questions on a branching database should be binary choice, which means they can only have one or two answers. On a branching database, these answers should be 'yes' or 'no'. A good question should split the group roughly in half, with half of the records answering 'yes' and half the records answering 'no'.