

Kit's Digital Filing Cabinet: A Database Quiz

Learning objective: To understand how databases are organised, how to search for information, and the importance of accurate data.

Help Kit the fox organise his digital library! Read each question carefully and select the best answer to show off your computing skills.

Answer Key: 1.C, 2.True, 3.Field, 4.B, 5.True, 6.Query, 7.A, 8.False, 9.Database, 10.B

Word bank: Record · Field · Database · Query · Search · Table · Sort · Filter

1. 1. What do we call a structured collection of data that makes it easy to find and manage information? A) A digital folder B) A computer code C) A database* D) A web browser (1 mark)

2. 2. True or False: In a database table, a 'record' is a single row of information about one item. (1 mark)

3. 3. What is the name of a single category of data, such as 'First Name' or 'Date of Birth', within a record? (1 mark)

4. 4. If you want to find only the books in a library database that cost less than £5.00, what are you doing? A) Sorting B) Filtering* C) Deleting D) Printing (1 mark)

5. 5. True or False: If data is entered incorrectly into a database, the search results might be wrong. (1 mark)

6. 6. What is the technical term for asking a database to find specific information? (1 mark)

7. 7. Which tool would you use to arrange a list of names in alphabetical order? A) Sort* B) Filter C) Query D) Database (1 mark)

8. 8. True or False: Databases can only store numbers; they cannot store text or dates. (1 mark)

9. 9. Fill in the blank: Kit uses a _____ to keep track of his collection of rare shiny pebbles, recording the size, weight, and colour of each one. (1 mark)

10. 10. Why is it important to use consistent labels (like always using 'cm' for length) in a database? A) It looks prettier B) It makes searching and sorting more accurate* C) It uses less battery D) It helps the computer run faster (1 mark)

Draw: Draw a simple table that Kit might use to store information about his favourite books. Include headers like 'Title', 'Author', and 'Price (£)'.

Extension challenge: Imagine you are building a database for a sports club. Which three fields would you need to include if you wanted to keep track of all the team members?