

8 Databases – Part 1 —Answers

Answers

8.1 The same data is repeated (redundancy), which wastes space and can become inconsistent if one copy is changed and another is not.

8.2 A field whose value is unique for each record, so it identifies that record.

8.3 A record is one row (all the data about a single item); a field is one column (a single piece of information across the records).

8.4 It stores the primary key of another table, creating a link between the two tables.

8.5 `SELECT * FROM Books;`

8.6 The data is stored once in its own table, so an update is made in a single place. A flat file repeats the data, so one copy can be changed while another is missed, leaving the data inconsistent.

8.7 `SELECT title, author FROM Books WHERE year > 2000;`