

✔ Congratulations! You passed!

 Grade received **100%** To pass 100% or higher

[Go to next item](#)

1. What is the main difference between a flat database and a relational database?

1 / 1 point

- ☐ Relational databases tend to have more tables that are linked by relationships. Having more tables results in the data taking up additional storage space.
- ☐ Flat databases keep information in separate tables that are linked by relationships.
- ☐ Flat databases generally take less storage space than relational databases.
- ☒ Relational databases tend to use less storage space because they keep information in separate tables that are linked by relationships which avoids having duplicate information.

✔ Correct

Correct! Relational databases keep information in separate tables linked by relationships. Keeping data in the smallest amount of information which avoids having duplicate information. This results in using less storage space for the data.

2. Which of the following is TRUE about primary keys?

1 / 1 point

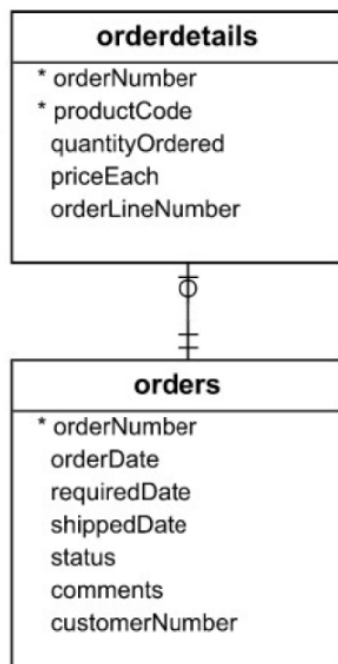
- ☐ Primary keys do not uniquely identify items in a table since that is the purpose of foreign key fields.
- ☒ Primary keys do not allow duplicate values or null values because they uniquely identify items in a table.
- ☐ Primary keys allow null values as long as the user adds a value before they use the primary key in a related table.
- ☐ Primary keys allow duplicate values because they reference information in foreign key fields which do not allow duplicate values.

✔ Correct

Correct! Primary key fields unique identify values in a table so they can be identified when they relate to foreign key fields in other tables.

3. You have an ER diagram with the following tables:

1 / 1 point



What type of relationship exists between orderDetails and orders?

- ☒ Mandatory one to optional one



- ☐ Mandatory one to mandatory one
- ☐ Mandatory one to optional many.
- ☐ Optional one to optional many

✓ **Correct**

Correct! When you see one line it means the item will be used once in the table. If there's a line, it's mandatory. If there's a circle it's optional.