

Relational Database Technology

Objectives

- Define and give an example of a relational database
- Identify table-key terms, including row, column, field, primary key and foreign key
- Relate the importance of databases to everyday life

Vocabulary

Directions: Identify the vocabulary word for each definition below.

1. _____ An entry in a table, consisting of values for each appropriate column.
2. _____ The set of mandatory columns within a table that is used to enforce uniqueness of rows, and that is normally the most frequent means by which rows are accessed.
3. _____ An arrangement of data in rows and columns.
4. _____ A column or set of columns that refers to a primary key in the same table or another table.
5. _____ Collections of objects or relations, set of operators to act on those relations, and data integrity for accuracy and consistency
6. _____ Intersection of a row and column
7. _____ Used to modify the table data by entering, changing, or removing rows
8. _____ Creates, changes, and removes data structures from the database
9. _____ Used to manage the changes made by DML statements
10. _____ Used to give or remove access rights to the database and the structures within it

Try It / Solve It

1. The Global Fast Foods database consists of how many tables? ____ tables
2. How is the F_SHIFTS table related to the F_STAFFS table?
3. What are the names of the columns in the F_CUSTOMERS table?
4. How many rows of data have been entered in the F_PROMOTIONAL_MENUS table?
5. In the F_FOOD_ITEMS table, column _____ is a foreign-key column. What table and column is this key referencing?
6. List the primary key to foreign key relationships required to go from the F_SHIFTS table to the F_REGULAR_MENUS table.
7. Which table(s) contain null values?