One to many relationships

7 steps

Step 1 : What is a One-to-many relationship?

In a database, tables are created to store data, each table usually represents an object that we want to store data about.

One-to-many relationship

One record in one table is related to many records in another table.

    ex:-   Customer   &   Order

- A customer can have many orders
- But an order can only belong to 1 customer

Step 2 : Write a sentence

Ex:- "Store the customer information and the orders that they have made"

"Store the cars and the showroom that they are located in"

"Store the students and the courses they are enrolled in at a specific date".

(Just think of two tables at once)

Step 3 : Write down the objects from this sentence

- "Store the customer information and the orders that they have made"

- "Store the cars and the showroom that they are located in"

- "Store the students and the courses they are enrolled in at a specific date.
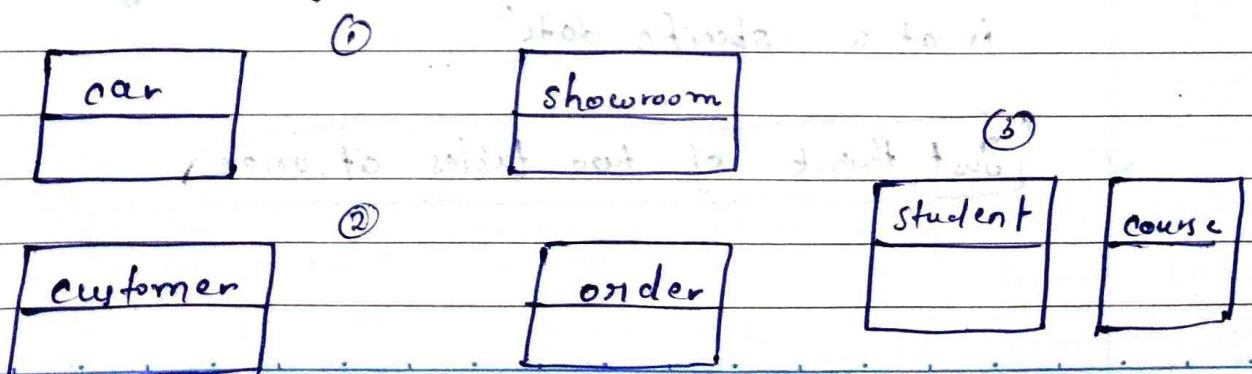
Step 4 : Determine one-to-many relationship.

ASK YOURSELF :- "Does object 1 have many Object 2s or does object 2 have many Object 1s ?"

"Does a customer have many orders or does an order have many customers ?"

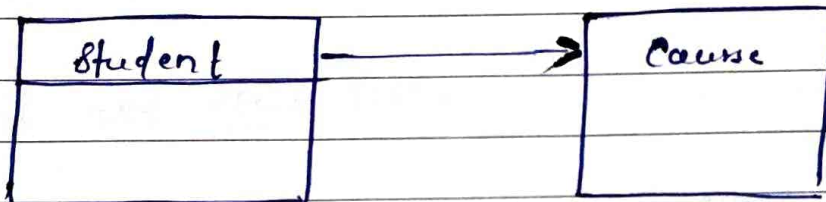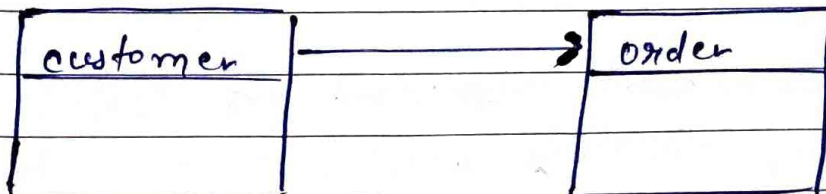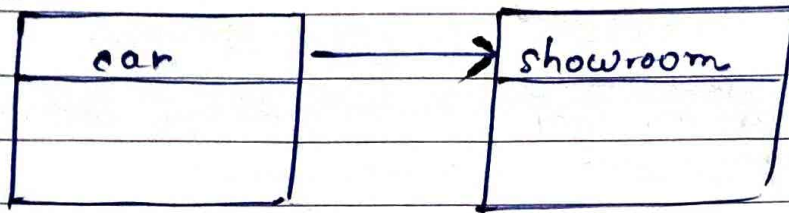"Does a car have many showrooms, or does a showroom have many cars ?"

"Does a student have many courses, or does a course have many students ?"

Step 5 : Create a diagram

①

car

showroom

③

②

customer

order

student

course

Step 6: Draw a line between the two tables

~~Step 6:~~

| car | → | showroom |

| customer | → | order |

| Student | → | Course |

Step 7: Add to diagram to describe one-to-many
  • relationship

| car | ⤷— | showroom |

| customer | —⟨ | order |

| Student | ⟩— | course |