

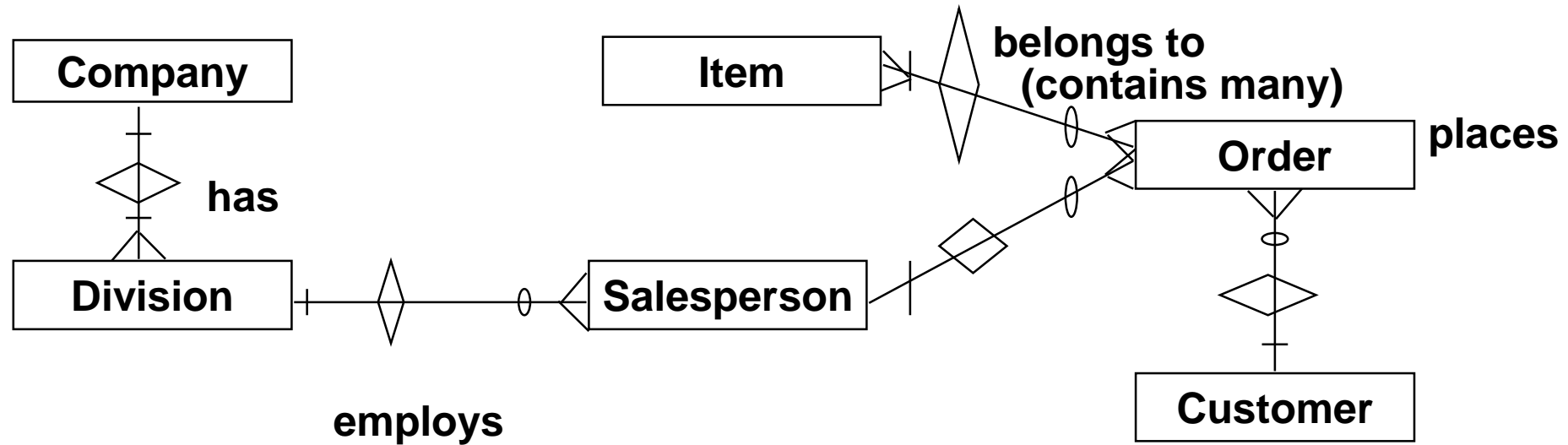
# Entity Relationship Diagram

Practice Exercise

# Question: Construct an ER Diagram for the following scenario:

- A Company is made up of several Divisions with each Division employing many Salespersons. Salespersons write many Orders with each Order relating to only one Salesperson and one Customer. Many Items may be ordered on an Order and a given Item may appear on many Orders.
- Division is identified by its number and has a distinct name. Every sales person belongs to one division which should be identified. Salesperson will have a unique id, name, date of birth and email address stored. Customers name, id, address, email address is also stored. The company stores the price, name, description and quantity in hand of all products. Order must have a proper date and total amount.

# A Possible Solution



# Some Points to look at the solution

- Identify the attributes of each entity
- Find the primary key of each entity
- Resolve the many to many relationship
- Check if the ER is normalized or not