

Exercise 1

Please think about the explained system and design a database for it.

We have a store that buys products from different vendors, the vendor can provide similar or different products. People can do their shopping from our store as well as if members can give orders by phone. The store owner needs to know the amount of sale, per date range, per product, per vendor and per factor.

What we all three levels

Level 1

- List of entities and their properties
- Mention primary and foreign keys
- Draw the ER diagram (or diagram of the entities and their relations)

Level 2

- Update your database when different vendors can sell single products with different prices (the store sales these products with the same price)

Level 3

- Update your database when different vendors can sell single products with different prices and the store sales these products with price = buy price + benefit margin

End of exercise

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