Logical Database Design

ski_factory produces ski

ski_factory(name)
Primary Key name

ski(product_nr, ski_factoy_name, model, style, temp, grid_system, size, weight_class, description, url, historical, msrp)
Primary Key product_nr
Foreign Key ski_factory_name REFERENCES ski_factory(name)

employee works at ski_factory

ski_factory(name)
Primary Key name

employee(number, ski_factory_name, name)
Primary Key number
Foreign Key ski_factory_name REFERENCES ski_factory(name)

order consists of ski

ski_in_order(order_number, ski_product_nr)
Primary Key order_number, ski_product_nr
Foreign Key order_number REFERENCES order(number)
Foreign Key ski_product_nr REFERENCES ski(product_nr)

customer places order

customer(id, contract_start, contract_end)
Primary Key id

order(number, customer_id, price, state)
Primary Key number
Foreign Key customer_id REFERENCES customer(id)

order becomes shipment

order(number, price, state)
Primary Key number

shipment(number, order_number, store_name. shipping_address, pickup_date, state, transport_company, driver_id)
Primary Key number
Foreign Key order_number REFERENCES order(number)

shipment transported by transporter

transporter(company_name)
Primary Key company_name

shipment(number, transporter_company_name, store_name. shipping_address, pickup_date, state, transport_company, driver_id)
Primary Key number
Foreign Key transporter_company_name REFERENCES transporter(company_name)

transporter transports to customer

transports_to(transporter_company_name, customer_id)
Primary Key transporter_company_name, customer_id
Foreign Key transporter_company_name REFERENCES transporter(company_name)
Foregin Key customer_id REFERENCES customer(id)

customer

franchise_customer(id, contract_start, contract_end, name, address, price)
Primary Key id

store_customer((id, contract_start, contract_end, name, address, price)

athlete_customer((id, contract_start, contract_end, name, dob, club, annual_quant)