Logical Database Design

skiType(type, model, temperature, gripSystem, TypeOfSkiing, description, historical, msrp)
PRIMARY KEY type, model, temperature, gripSystem

order(number, totalPrice, state, customer_id, ski_pnr)
PRIMARY KEY number
FOREIGN KEY customer_id REFERENCES customer(id)
FOREIGN KEY ski_pnr REFERENCES ski(pnr)

orderItems(order_number, ski_pnr)
PRIMARY KEY order_number, ski_pnr
FOREIGN KEY order_number REFERENCES order(number)
FOREIGN KEY ski_pnr REFERENCES ski(pnr)

ski(pnr, size, weightClass, productionDate, skiType_type, skiType_model, skiType_temperature, skiType_gripSystem, order_number)
PRIMARY KEY pnr
FOREIGN KEY skiType_type REFERENCES skiType(type)
FOREIGN KEY skiType_model REFERENCES skiType(model)
FOREIGN KEY skiType_temperature REFERENCES skiType(temperature)
FOREIGN KEY skiType_gripSystem REFERENCES skiType(gripSystem)
FOREIGN KEY order_number REFERENCES order(number)

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

customer(id, contractStart, contractEnd)
PRIMARY KEY id

franchise(ecustomer_id, contract_start, contract_end, name, address, price)
PRIMARY KEY customer_id
FOREIGN KEY customer_id REFERENCES customer(id)

store(customer_id, contract_start, contract_end, name, address, price)
PRIMARY KEY customer_id
FOREIGN KEY customer_id REFERENCES customer(id)

athlete(customer_id, contract_start, contract_end, name, dob, club, annual_quant)

PRIMARY KEY customer_id
FOREIGN KEY customer_id REFERENCES customer(id)

productionPlan(period)
PRIMARY KEY period

productionPlanSkis(period, type, model, temperature, gripSystem, quantity)
PRIMARY KEY period, type, model, temperature, gripSystem
FOREIGN KEY period REFERENCES productionPlan(period)
FOREIGN KEY type REFERENCES skiType(type)
FOREIGN KEY model REFERENCES skiType(model)
FOREIGN KEY temperature REFERENCES skiType(temperature)
FOREIGN KEY gripSystem REFERENCES skiType(gripSystem)

To do:
employee(number, name)
PRIMARY KEY number

production_planer(number, name, production_plan_period)
Primary Key number

storekeeper(number, name)
Primary Key number

customer_rep(number, name)
Primary Key number