

FLIGHTS_LASTNAME

| | | |
|----|-----------------|---------------|
| PK | FLIGHT_DATE | DATE |
| PK | FLIGHT_HOUR | INTEGER |
| PK | FLIGHT_FROM | INTEGER |
| PK | FLIGHT_TO | INTEGER |
| PK | AIRPLANE | INTEGER |
| | SEATS | INTEGER |
| | TICKETS_ECONOMY | INTEGER |
| | TICKETS_FIRST | INTEGER |
| | REVENUE_ECONOMY | DECIMAL(12,2) |
| | REVENUE_FIRST | DECIMAL(12,2) |

PHONECALLS_LASTNAME

| | | |
|----|-------------------|---------------|
| PK | CALL_DATE | DATE |
| PK | CALL_HOUR | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| PK | PRICE_PLAN_ID | INTEGER |
| PK | ACTIVE | CHAR(1) |
| | DURATION_SEC | INTEGER |
| | DURATION_FREE_SEC | INTEGER |
| | CHARGED_SEC | INTEGER |
| | CHARGED | DECIMAL(12,2) |

BANKTRANSFER_LASTNAME

| | | |
|----|------------------|---------------|
| PK | TRANSFER_DATE | DATE |
| PK | CUSTOMER_ID | INTEGER |
| PK | BANK_ID_FROM | INTEGER |
| PK | BANK_ID_TO | INTEGER |
| PK | CURRENCY | INTEGER |
| | NUMBER_TRANSFERS | INTEGER |
| | AMOUNT | DECIMAL(12,2) |
| | COSTS | DECIMAL(5,2) |

PIZZAORDER_LASTNAME

| | | |
|----|------------------|-----------------|
| PK | ORDERDATE | DATE |
| PK | ORDERHOUR | INTEGER |
| PK | ADRESS_ID | INTEGER |
| PK | PRODUCT_ID | INTEGER |
| PK | DELIVERYMAN_ID | INTEGER |
| | NUMBER_OF_PIZZAS | INTEGER |
| | COSTS | DECIMAL (12, 2) |
| | DELIVERY_COSTS | DECIMAL (12, 2) |
| | ADDITIONAL_COSTS | DECIMAL (12, 2) |
| | DELIVERY_MIN | INTEGER |

PRODUCTSTOCK_LASTNAME

| | | |
|----|-----------------|-----------------|
| PK | STOCK_DATE | DATE |
| PK | PRODUCT_ID | INTEGER |
| PK | ADRESS_ID | INTEGER |
| PK | SHELF_ID | INTEGER |
| | NUMBER_ON_STOCK | INTEGER |
| | NUMBER_SOLD | INTEGER |
| | NUMBER_BOUGHT | INTEGER |
| | PRICE | DECIMAL (12, 2) |

PRODUCTPART_LASTNAME

| | | |
|----|-----------------|-----------------|
| PK | USED_DATE | DATE |
| PK | PRODUCT_ID | INTEGER |
| PK | PART_ID | INTEGER |
| PK | CONCERN_ID | INTEGER |
| | NUMBER_OF_PARTS | INTEGER |
| | PRICE | DECIMAL (12, 2) |
| | VARIABLE_COSTS | DECIMAL (12, 2) |
| | TAX | DECIMAL (12, 2) |

PRODUCTPART_LASTNAME

| | | |
|----|-----------------|---------------|
| PK | USED_DATE | DATE |
| PK | PRODUCT_ID | INTEGER |
| PK | PART_ID | INTEGER |
| PK | CONCERN_ID | INTEGER |
| | NUMBER_OF_PARTS | INTEGER |
| | PRICE | DECIMAL(12,2) |
| | VARIABLE_COSTS | DECIMAL(12,2) |
| | TAX | DECIMAL(12,2) |

WINE_LASTNAME

| | | |
|----|-------------------|---------------|
| PK | FILL_DATE | DATE |
| PK | FILL_HOUR | INTEGER |
| PK | WINE_ID | INTEGER |
| PK | FILL_STATION_ID | INTEGER |
| PK | SELLER_ID | INTEGER |
| | NUMBER_OF_BOTTLES | INTEGER |
| | LITERS | DECIMAL(12,2) |
| | SELLING_COSTS | DECIMAL(12,2) |
| | FILLING_COSTS | DECIMAL(12,2) |

CINEMA_LASTNAME

| | | |
|----|----------------|---------------|
| PK | SALES_DATE | DATE |
| PK | SALES_HOUR | INTEGER |
| PK | VIEWING_DATE | DATE |
| PK | VIEWING_HOUR | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| PK | MOVIE_ID | INTEGER |
| | SEATS_ORDERED | INTEGER |
| | SEATS_BOUGHT | INTEGER |
| | REVENUE | DECIMAL(12,2) |
| | REVENUE_SNACKS | DECIMAL(12,2) |

VENDINGMACHINE_LASTNAME

| | | |
|----|----------------|---------------|
| PK | SALES_DATE | DATE |
| PK | SALES_HOUR | INTEGER |
| PK | PAYMENT_METHOD | INTEGER |
| PK | BOTTLE_TYPE | INTEGER |
| PK | IS_ALCOHOLIC | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| | QUANTITY | INTEGER |
| | REVENUE | DECIMAL(12,2) |
| | ML | DECIMAL(12,2) |

TRAIN_SEAT_RESERVATION_LASTNAME

| | | |
|----|------------------|---------------|
| PK | TRAIN_DATE | DATE |
| PK | TRAIN_HOUR | INTEGER |
| PK | TRAIN_FROM | INTEGER |
| PK | TRAIN_TO | INTEGER |
| PK | RESERVATION_FROM | INTEGER |
| PK | RESERVATION_TO | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| | DISTANCE | INTEGER |
| | SEATS_RESERVED | INTEGER |
| | REVENUE | DECIMAL(12,2) |

CHOCOLATE_FACTORIES_LASTNAME

| | | |
|----|------------------|---------------|
| PK | FACTORY_ID | INTEGER |
| PK | PRODUCTION_DATE | DATE |
| PK | SALES_REGION | INTEGER |
| PK | PRODUCT_CATEGORY | INTEGER |
| PK | PRODUCT_ID | INTEGER |
| | QUANTITY | INTEGER |
| | KILOGRAM | DECIMAL(12,2) |
| | VARIABLE_COSTS | DECIMAL(12,2) |
| | PRICE | DECIMAL(12,2) |

CARS_LASTNAME

| | | |
|----|----------------------|---------------|
| PK | SALES_DATE | DATE |
| PK | RETAILER_ID | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| PK | MODEL_ID | INTEGER |
| PK | CAR_ID | INTEGER |
| | QUANTITY_ACCESSORIES | INTEGER |
| | REVENUE_ACCESSORIES | DECIMAL(12,2) |
| | REVENUE_CAR | DECIMAL(12,2) |
| | TAX | DECIMAL(12,2) |

FAST_FOOD_LASTNAME

| | | |
|----|-------------------|---------------|
| PK | REVENUE_DATE | DATE |
| PK | REGION_ID | INTEGER |
| PK | CITY_ID | INTEGER |
| PK | RESTAURANT_ID | INTEGER |
| | NUMBER_OF_BURGERS | INTEGER |
| | FRENCH_FRIES_KG | DECIMAL(12,2) |
| | REVENUE | DECIMAL(12,2) |
| | COSTS | DECIMAL(12,2) |

APPS_LASTNAME

| | | |
|----|--------------------|---------------|
| PK | PURCHASE_DATE | DATE |
| PK | PURCHASE_HOUR | INTEGER |
| PK | REGION_ID | INTEGER |
| PK | TYPE_ID | INTEGER |
| PK | APP_ID | INTEGER |
| | PREMIUM_APP | INTEGER |
| | BASIC_APP | INTEGER |
| | CANCELED_PURCHASES | INTEGER |
| | REVENUE | DECIMAL(12,2) |

TV_SETS_LASTNAME

| | | |
|----|-------------------|---------------|
| PK | SALES_DATE | DATE |
| PK | COUNTRY_ID | INTEGER |
| PK | STORE_ID | INTEGER |
| PK | TV_CATEGORY | INTEGER |
| PK | TV_ID | INTEGER |
| | SCREEN_SIZE | INTEGER |
| | EXTENDED_WARRANTY | INTEGER |
| | PRICE | DECIMAL(12,2) |
| | COSTS | DECIMAL(12,2) |

VIDEO_STREAMS_LASTNAME

| | | |
|----|----------------|---------------|
| PK | STREAMING_DATE | DATE |
| PK | STREAMING_HOUR | INTEGER |
| PK | LOCATION_ID | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| PK | VIDEO_ID | INTEGER |
| | DURATION | INTEGER |
| | AD_TOTAL | INTEGER |
| | AD_CLICKED | INTEGER |
| | REVENUE_STREAM | DECIMAL(12,2) |
| | REVENUE_AD | DECIMAL(12,2) |

BICYCLES_LASTNAME

| | | |
|----|-------------------|---------------|
| PK | SALES_DATE | DATE |
| PK | STORE_ID | INTEGER |
| PK | CUSTOMER_ID | INTEGER |
| PK | CATEGORY_ID | INTEGER |
| PK | BICYCLE_ID | INTEGER |
| | NUMBER_OF_ADD_ONS | INTEGER |
| | REVENUE_ADD_ONS | DECIMAL(12,2) |
| | REVENUE_BIKE | DECIMAL(12,2) |
| | COSTS_BIKE | DECIMAL(12,2) |

BUS_TICKETS_LASTNAME

| | | |
|----|-----------------|---------------|
| PK | BUS_DATE | DATE |
| PK | BUS_HOUR | INTEGER |
| PK | BUS_FROM | INTEGER |
| PK | BUS_TO | INTEGER |
| PK | BUS_NUMBER | INTEGER |
| | SEATS_RESERVED | INTEGER |
| | SEATS_SOLD | INTEGER |
| | SEATS_FREE | INTEGER |
| | REVENUE_ONLINE | DECIMAL(12,2) |
| | REVENUE_OFFLINE | DECIMAL(12,2) |

COFFEE_SHOP_LASTNAME

| | | |
|----|------------|---------------|
| PK | ORDER_DATE | DATE |
| PK | REGION_ID | INTEGER |
| PK | CITY_ID | INTEGER |
| PK | SHOP_ID | INTEGER |
| PK | PRODUCT_ID | INTEGER |
| | QUANTITY | INTEGER |
| | WEIGHT | INTEGER |
| | PRICE | DECIMAL(12,2) |
| | COSTS | DECIMAL(12,2) |

Waste_Disposal_Lastname

| | | |
|----|----------------------|---------------|
| PK | Driving_DATE | DATE |
| PK | Truck_ID | INTEGER |
| PK | Customer_ID | INTEGER |
| | CITY_ID | INTEGER |
| | WasteDisposalSite_ID | INTEGER |
| PK | Waste_Type_ID | INTEGER |
| | Volume | INTEGER |
| | Weight | INTEGER |
| | Costs | DECIMAL(12,2) |
| | | |
| | | |

Bank_Lastname

| | | |
|----|------------------------------------|---------------|
| PK | Report_DATE | DATE |
| PK | Product_type (account, depot..) | INTEGER |
| PK | Customer_ID | INTEGER |
| | Key_Accounter_ID | INTEGER |
| | Balance | DECIMAL(12,2) |
| | Credit_volume | DECIMAL(12,2) |
| | NoTransaction | INTEGER |
| | Fees | DECIMAL(12,2) |
| | Customertype | BOOLEAN |

Telco_Lastname

| | | |
|----|-----------------|---------------|
| PK | Bill_DATE | DATE |
| PK | Tarif | INTEGER |
| PK | Customer_ID | INTEGER |
| PK | PhoneNo | Varchar(20) |
| | BillAmount | DECIMAL(12,2) |
| | DownloadVolumne | INTEGER |
| | CalledMinutes | INTEGER |
| | NoSMS | DECIMAL(12,2) |
| | City_ID | INTEGER |

Retail_Lastname

| | | |
|----|------------------|---------------|
| PK | InvoiceNo | INTEGER |
| PK | Product_ID | INTEGER |
| PK | Customer_ID | INTEGER |
| PK | NoBoughtProducts | INTEGER |
| | TotalAmt | DECIMAL(12,2) |
| | InvoiceDate | DATE |
| | TotalDiscount | DECIMAL(12,2) |
| | Shop_ID | INTEGER |

Gas_Station_Lastname

| | | |
|----|------------------|---------------|
| PK | InvoiceNo | DATE |
| | Region_ID | INTEGER |
| | Customer_Card | INTEGER |
| | Employee_ID | INTEGER |
| | TotalAmtProducts | DECIMAL(12,2) |
| | InvoiceDate | DATE |
| | TotalAMTGas | DECIMAL(12,2) |
| | GasStation_ID | INTEGER |
| | Gas_Litres | DECIMAL(7,2) |
| | Gender | VARCHAR(1) |

Health_Care_Lastname

| | | |
|----|----------------|---------------|
| PK | Treatment_date | DATE |
| PK | SVNR | VARCHAR(10) |
| PK | Doctor_ID | INTEGER |
| | Diagnosis | INTEGER |
| | Costs | DECIMAL(12,2) |
| | TherapyType | INTEGER |
| | Ambulant | BOOLEAN |
| | NoOfDaysSick | INTEGER |
| | InstituteType | INTEGER |

Holiday_Lastname

| | | |
|----|---------------------|---------------|
| PK | Journey_start_date | DATE |
| PK | Customer_ID | INTEGER |
| | EmployeeID | INTEGER |
| | No_of_Nights | INTEGER |
| | Costs | DECIMAL(12,2) |
| | Journey_Type | INTEGER |
| | Destination_City | VARCHAR(50) |
| | Accommodation_Type | INTEGER |
| | Destination_Country | VARCHAR(50) |

Library_Lastname

| | | |
|-----------|------------------------------|----------------------|
| PK | Start_Lending_date | DATE |
| PK | ISBN | INTEGER |
| | End_Lending_date | DATE |
| PK | CustomerCard | INTEGER |
| | Fees | DECIMAL(12,2) |
| | DaysLate | INTEGER |
| | Office_ID | INTEGER |
| | Extended_Lending_date | DATE |
| | Book_type | VARCHAR(20) |

VideoStream_Lastname

| | | |
|-----------|----------------------------|-------------------|
| PK | View_date | DATE |
| PK | View_hour | INTEGER |
| PK | Customer_id | INTEGER |
| PK | MovieID | INTEGER |
| | MinutesWatched | INTEGER |
| | MinutesFullDuration | INTEGER |
| | FrontendType | VARCHAR(2) |
| | RecommendedMovie | BOOLEAN |
| | Region_ID | INTEGER |
| | MovieType | INTEGER |

Burger_Lastname

| | | |
|-----------|----------------------------|----------------------|
| PK | InvoiceNo | INTEGER |
| PK | Product_ID | INTEGER |
| PK | Customer_ID | INTEGER |
| | ProductPrice | DECIMAL(12,2) |
| | PackageName | VARCHAR2(20) |
| | BonusPointCollected | INTEGER |
| | Discount | DECIMAL(12,2) |
| | Shop_ID | INTEGER |