

Bridge table

d_price_range
{PK} d_price_range : int
start_price : double
end_price : double

1

*

stage_dim_product
product_id : int
price_range_id : int
price : int
name : varchar(50)
valid_from : datetime
valid_to : datetime

1

*

stage_f_sales
customer_id : int
product_id : int
date_id : int
business_customer_id : int
business_product_id : int
business_order_id : int
quantity : int
line_total : float

*

1

stage_dim_customer
customer_id : int
title : varchar(10)
first_name : varchar(50)
middle_name : varchar(50)
last_name : varchar(50)
valid_from : datetime
valid_to : datetime

1

*

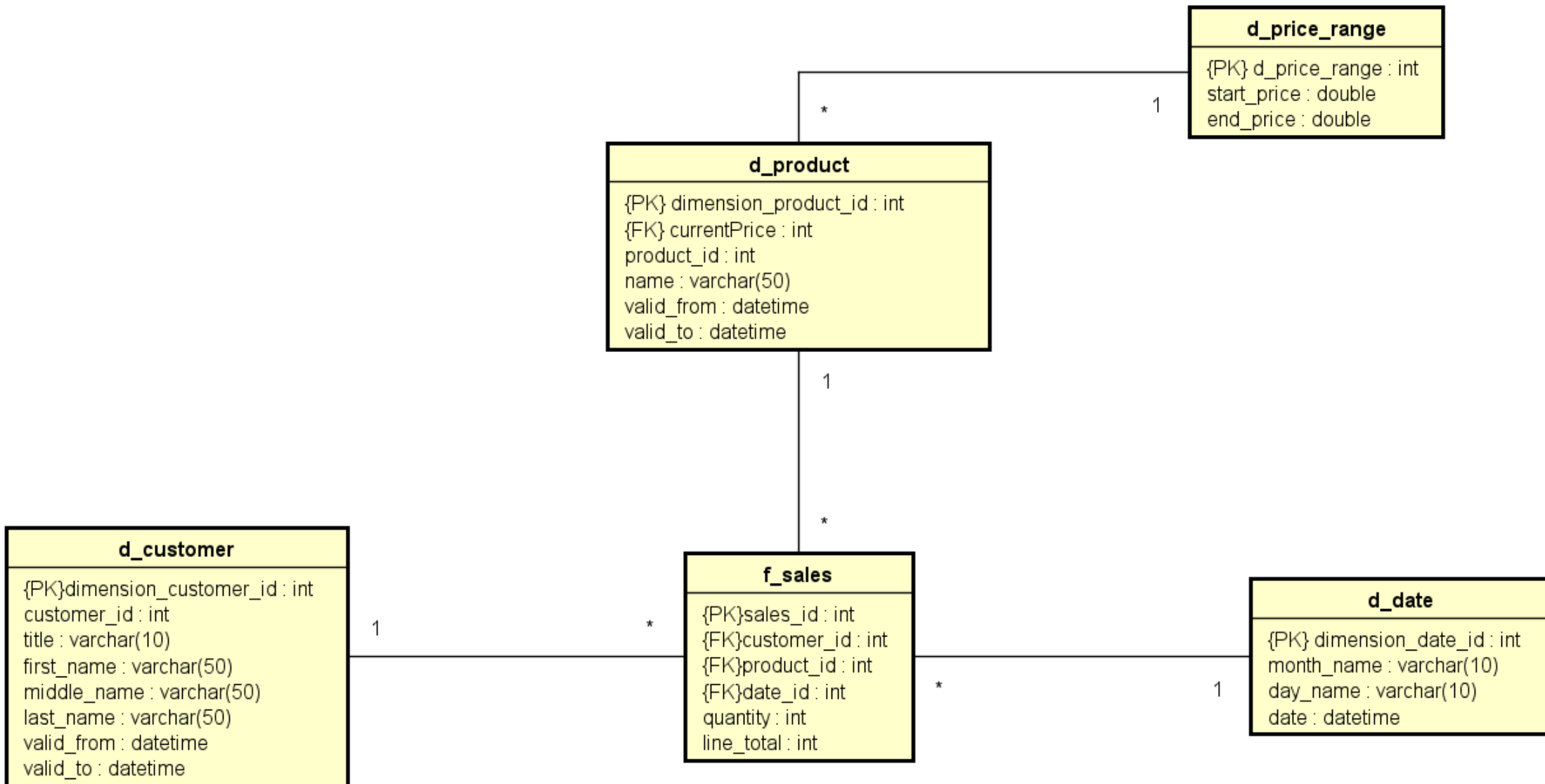
d_date
- {PK} dimension_date_id : int
- month_name : varchar(10)
- day_name : varchar(10)
- date : datetime

stage_dim_product_added
product_id : int
name : varchar(50)
valid_from : datetime
valid_to : datetime

stage_dim_product_changed
product_id : int
name : varchar(50)
valid_from : datetime
valid_to : datetime

temp_f_sales
customer_id : int
product_id : int
date_id : int
business_customer_id : int
business_product_id : int
business_order_id : int
quantity : int
line_total : float

LastUpdate
{PK} lastUpdate : datetime



--This statement creates dimension table d_customer with attributes and primary key is assigned to dimension_customer_id

CREATE TABLE AdventureWorks_DW.star_schema.d_customer

```
(
    dimension_customer_id INT          NOT NULL IDENTITY,
    customer_id           INT          NOT NULL,
    title                 varchar(10) NOT NULL,
    first_name            varchar(50) NOT NULL,
    middle_name           varchar(50) NOT NULL,
    last_name             varchar(50) NOT NULL,
    valid_from            DATETIME     NOT NULL,
    valid_to              DATETIME     NOT NULL,
    PRIMARY KEY (dimension_customer_id)
);
```

CREATE TABLE AdventureWorks_DW.star_schema.d_price_range

```
(
    dimension_price_range_id INT IDENTITY,
    start_price              decimal(10, 2),
    end_price                decimal(10, 2),
    PRIMARY KEY (dimension_price_range_id)
);
```

--This statement creates dimension table d_product with attributes and primary key is assigned to dimension_product_id

CREATE TABLE AdventureWorks_DW.star_schema.d_product

```
(
    dimension_product_id INT          NOT NULL IDENTITY,
    product_id           INT          NOT NULL,
    price_range_id       INT          NOT NULL,
    name                 varchar(50) NOT NULL,
    valid_from           DATETIME     NOT NULL,
    valid_to             DATETIME     NOT NULL,
    PRIMARY KEY (dimension_product_id),
    FOREIGN KEY (price_range_id) REFERENCES AdventureWorks_DW.star_schema.d_price_range
    (dimension_price_range_id)
);
```

--This statement creates dimension table d_date with attributes and primary key is assigned to dimension_date_id

CREATE TABLE AdventureWorks_DW.star_schema.d_date

```
(
    dimension_date_id INT          NOT NULL IDENTITY,
    month_name        varchar(10) NOT NULL,
    day_name          varchar(10) NOT NULL,
    date              date         NOT NULL,
    PRIMARY KEY (dimension_date_id)
);
```

--This statement creates fact table f_sales with attributes, primary key is assigned to sales_id and foreign keys customer_id, product_id

CREATE TABLE AdventureWorks_DW.star_schema.f_sales

```
(
    sales_id   INT NOT NULL IDENTITY,
    customer_id INT NOT NULL,
    product_id INT NOT NULL,
    date_id    INT NOT NULL,
    quantity   INT NOT NULL,
    line_total INT NOT NULL,
    PRIMARY KEY (sales_id),
    FOREIGN KEY (customer_id) REFERENCES AdventureWorks_DW.star_schema.d_customer (dimension_customer_id),
    FOREIGN KEY (product_id) REFERENCES AdventureWorks_DW.star_schema.d_product (dimension_product_id),
    FOREIGN KEY (date_id) REFERENCES AdventureWorks_DW.star_schema.d_date (dimension_date_id)
);
```

```

-- *****
-- ***** CREATING STAGE TABLES *****
-- *****
--This statement creates staging dimension table stage_dim_customer with attributes and assigned
-- primary key as customer_id
CREATE TABLE StagingDatabase.staging.stage_dim_customer
(
    customer_id INT NOT NULL,
    title       varchar(10),
    first_name  varchar(50),
    middle_name varchar(50),
    last_name   varchar(50),
    valid_from  DATETIME,
    valid_to    DATETIME,
);
--This statement creates staging dimension table stage_dim_product with attributes and assigned
-- primary key as dimension_product_id
CREATE TABLE StagingDatabase.staging.stage_dim_product
(
    product_id    INT,
    price_range_id INT,
    name          varchar(50),
    price         DECIMAL(10, 2),
    valid_from    DATETIME,
    valid_to      DATETIME,
);
-- Create a table which holds last update variable
CREATE TABLE StagingDatabase.staging.LastUpdate
(
    lastUpdate DATETIME DEFAULT GETDATE()
);
-- Inset value into LastUpdate table
INSERT INTO StagingDatabase.staging.LastUpdate(lastUpdate)
VALUES (GETDATE());

--This statement creates staging fact table stage_f_sales with attributes and assigned primary key as sales_id
CREATE TABLE StagingDatabase.staging.stage_f_sales
(
    customer_id    INT    NULL,
    product_id     INT    NULL,
    date_id        INT    NULL,
    business_customer_id INT NULL,
    business_product_id INT NULL,
    business_order_date DATETIME NULL,
    quantity       INT    NULL,
    line_total     FLOAT  NULL,
);
-- Create temporary table for f_sales.
CREATE TABLE StagingDatabase.staging.temp_f_sales
(
    customer_id    INT    NULL,
    product_id     INT    NULL,
    date_id        INT    NULL,
    business_customer_id INT NULL,
    business_product_id INT NULL,
    business_order_date DATETIME NULL,
    quantity       INT    NULL,
    line_total     FLOAT  NULL,
);
-- Create temporary table to store added products so we can handle valid_to attribute
CREATE TABLE StagingDatabase.staging.stage_dim_product_added

```

```

(
    product_id    INT,
    price_range_id INT,
    name          varchar(50),
    price         DECIMAL(10, 2),
    valid_from    DATETIME,
    valid_to      DATETIME,
);

-- Create temporary table to store updated products so we can handle valid_to attribute and
-- deleting old products
CREATE TABLE StagingDatabase.staging.stage_dim_product_changed
(
    product_id    INT,
    price_range_id INT,
    name          varchar(50),
    price         DECIMAL(10, 2),
    valid_from    DATETIME,
    valid_to      DATETIME,
);

-- Create temporary table to store updated customers so we can handle valid_to attribute and
-- deleting old customers
CREATE TABLE StagingDatabase.staging.stage_dim_customer_changed
(
    customer_id INT,
    title        varchar(10),
    first_name   varchar(50),
    middle_name  varchar(50),
    last_name    varchar(50),
    valid_from   DATETIME,
    valid_to     DATETIME,
);

-- Create temporary table to store added customers so we can handle valid_to attribute
CREATE TABLE StagingDatabase.staging.stage_dim_customer_added
(
    customer_id INT,
    title        varchar(10),
    first_name   varchar(50),
    middle_name  varchar(50),
    last_name    varchar(50),
    valid_from   DATETIME,
    valid_to     DATETIME,
);

```

***** INSERTING AND FIXING DATA IN STAGE TABLES *****

DATE _____

--This statement inserts attribute values unto staging dimension table stage_dim_date

DECLARE @StartDate **DATETIME** = '2011-05-31';

DECLARE @EndDate **DATETIME** = '2014-06-30';

WHILE @StartDate <= @EndDate

BEGIN

INSERT INTO AdventureWorks_DW.star_schema.d_date (**date**,
day_name,
month_name)

SELECT @StartDate,
DATENAME(weekday, @StartDate),
DATENAME(month, @StartDate);

SET @StartDate = **DATEADD**(dd, 1, @StartDate);

END;

Price Range _____

-- Pre-populate current_price table with this data. Data ranges will be 200

DECLARE @StartPrice **decimal**(10, 2) = 0.00;

DECLARE @EndPrice **decimal**(10, 2) = 199.99;

DECLARE @Increment **decimal**(10, 2) = 200.00;

DECLARE @MaxPrice **decimal**(10, 2) = (**SELECT MAX**(ListPrice)
FROM AdventureWorks2017.Production.Product) + 200;

WHILE @EndPrice <= @MaxPrice

BEGIN

INSERT INTO AdventureWorks_DW.star_schema.d_price_range (start_price, end_price)

VALUES (@StartPrice,
@EndPrice);

SET @StartPrice = @StartPrice + @Increment;

SET @EndPrice = @EndPrice + @Increment;

END

CUSTOMER _____

--This statement inserts attribute values into staging dimension table stage_dim_customer

INSERT INTO StagingDatabase.staging.stage_dim_customer(customer_id, title, first_name, middle_name, last_name)

SELECT CustomerID, Title, FirstName, MiddleName, LastName

FROM AdventureWorks2017.Sales.Customer

JOIN AdventureWorks2017.Person.Person **ON** Customer.PersonID = Person.BusinessEntityID;

--This statement removes null values in the title attribute in stage_dim_customer table by replacing with 'N/A'

UPDATE StagingDatabase.staging.stage_dim_customer

SET title='N/A'

WHERE title **IS NULL**;

--This statement removes null values in the middle_name attribute in stage_dim_customer table by replacing with 'N/A'

UPDATE StagingDatabase.staging.stage_dim_customer

SET middle_name='N/A'

WHERE middle_name **IS NULL**;

-- Create new date for valid_from attribute. It will be the date when it was added to data warehouse

UPDATE StagingDatabase.staging.stage_dim_customer

SET valid_from=**GETDATE**()

WHERE valid_from **IS NULL**;

-- This statement replaces all NULL values with date 31.12.9999

UPDATE StagingDatabase.staging.stage_dim_customer

SET valid_to='9999-12-31'

WHERE valid_to **IS NULL**;

-- _____ *PRODUCT* _____

--This statement inserts attribute values into staging dimension table stage_dim_product

INSERT INTO StagingDatabase.staging.stage_dim_product(product_id, name, valid_from, valid_to, price)

SELECT ProductID, Name, SellStartDate, SellEndDate, ListPrice

from AdventureWorks2017.Production.Product;

--This statement removes null values in the name attribute in stage_dim_product table by replacing with 'N/A'

UPDATE StagingDatabase.staging.stage_dim_product

SET name='N/A'

WHERE name **IS NULL**;

-- This statement replaces all NULL values with date 31.12.9999

UPDATE StagingDatabase.staging.stage_dim_product

SET valid_to='9999-12-31'

WHERE valid_to **IS NULL**;

-- Update reference to price range

UPDATE StagingDatabase.staging.stage_dim_product

SET price_range_id = (**SELECT** dimension_price_range_id

FROM AdventureWorks_DW.star_schema.d_price_range

WHERE price **BETWEEN** start_price **AND** end_price)

WHERE price_range_id **IS NULL**;

-- *****

-- ***** *INSERTING FIXED DATA INTO DW DIMENSION TABLES* *****

-- *****

--This statement inserts attribute vales into dimension d_product table

INSERT INTO AdventureWorks_DW.star_schema.d_product (product_id, price_range_id, name, valid_from, valid_to)

SELECT product_id, price_range_id, name, valid_from, valid_to

FROM StagingDatabase.staging.stage_dim_product;

--This statement inserts attribute vales into dimension d_customer table

INSERT INTO AdventureWorks_DW.star_schema.d_customer (customer_id, title, first_name, middle_name, last_name,
valid_from, valid_to)

SELECT *

FROM StagingDatabase.staging.stage_dim_customer;

-- *****

-- ***** *INSERTING FIXED DATA INTO FACT TABLES* *****

-- *****

--This statement inserts attribute values into staging fact table stage_f_sales

INSERT INTO StagingDatabase.staging.stage_f_sales(business_customer_id, business_product_id, business_order_date,
quantity, line_total)

(**SELECT** C.CustomerID, P.ProductID, OrderDate, SOD.OrderQty, SOD.LineTotal

FROM AdventureWorks2017.Sales.SalesOrderHeader SOH

JOIN AdventureWorks2017.Sales.SalesOrderDetail SOD **on** SOH.SalesOrderID = SOD.SalesOrderID

JOIN AdventureWorks2017.Sales.Customer C **on** SOH.CustomerID = C.CustomerID

JOIN AdventureWorks2017.Production.Product P **on** SOD.ProductID = P.ProductID

WHERE OnlineOrderFlag = 1);

-- *****

-- ***** *LOOKUP SURROGATE KEYS* *****

-- *****

```

--This statement extracts the customer_id from staging dimension table stage_dim_customer and assigns it to the
-- customer_id attribute in stage_f_sales table when the value is null
UPDATE StagingDatabase.staging.stage_f_sales
SET customer_id = (SELECT dimension_customer_id
                   FROM AdventureWorks_DW.star_schema.d_customer AS dim_C_id
                   WHERE dim_C_id.customer_id = business_customer_id)
WHERE customer_id IS NULL;

--This statement extracts the product_id from staging dimension table stage_dim_product and assigns it to the
-- product_id attribute in stage_f_sales table when the value is null
UPDATE StagingDatabase.staging.stage_f_sales
SET product_id = (SELECT dimension_product_id
                  FROM AdventureWorks_DW.star_schema.d_product AS dim_P_id
                  WHERE dim_P_id.product_id = business_product_id)
WHERE product_id IS NULL;

--This statement extracts the date_id from staging dimension table stage_dim_date and assigns it to the
-- date_id attribute in stage_f_sales table when the value is null
UPDATE StagingDatabase.staging.stage_f_sales
SET date_id = (SELECT dimension_date_id
               FROM AdventureWorks_DW.star_schema.d_date AS dim_D_id
               WHERE dim_D_id.date = business_order_date)
WHERE date_id IS NULL;

__ *****
__ ***** INSERT VALUES INTO DATA WAREHOUSE FACT TABLE *****
__ *****

INSERT INTO AdventureWorks_DW.star_schema.f_sales(customer_id, product_id, date_id, quantity, line_total)
SELECT customer_id, product_id, date_id, quantity, line_total
FROM StagingDatabase.staging.stage_f_sales;

```



```
-- *****
-- ***** NEW PRODUCTS *****
-- *****
```

```
-- Search and insert newly added product into staging added product table
```

```
INSERT INTO StagingDatabase.staging.stage_dim_product_added (product_id, name, valid_from, valid_to, price)
SELECT ProductID, Name, SellStartDate, SellEndDate, ListPrice
FROM AdventureWorks2017.Production.Product
WHERE productID IN (SELECT productID
FROM AdventureWorks2017.Production.Product
EXCEPT
SELECT product_id
FROM AdventureWorks_DW.star_schema.d_product);
```

```
-- Replace all NULL values with date 31.12.9999
```

```
UPDATE StagingDatabase.staging.stage_dim_product_added
SET valid_to='9999-12-31'
WHERE valid_to IS NULL;
```

```
-- Update reference to price range
```

```
UPDATE StagingDatabase.staging.stage_dim_product_added
SET price_range_id = (SELECT dimension_price_range_id
FROM AdventureWorks_DW.star_schema.d_price_range
WHERE price BETWEEN start_price AND end_price)
WHERE price_range_id IS NULL;
```

```
-- Load newly added and modified rows into the Data Warehouse
```

```
INSERT INTO AdventureWorks_DW.star_schema.d_product (product_id, price_range_id, name, valid_from, valid_to)
SELECT product_id, price_range_id, name, valid_from, valid_to
FROM StagingDatabase.staging.stage_dim_product_added;
```

```
-- *****
-- ***** DELETED PRODUCTS *****
-- *****
```

```
-- Retrieve and update data warehouse, set valid_to attribute to yesterdays date for deleted
-- products.
```

```
UPDATE AdventureWorks_DW.star_schema.d_product
SET valid_to = DATEADD(dd, -1, GETDATE())
WHERE product_id in (
SELECT product_id
FROM AdventureWorks_DW.star_schema.d_product
WHERE product_id IN (SELECT product_id
FROM AdventureWorks_DW.star_schema.d_product
EXCEPT
SELECT productID
FROM AdventureWorks2017.Production.Product)
)
```

```
-- *****
-- ***** UPDATED PRODUCTS *****
-- *****
```

```
-- Inserting updated rows into the temporary table to handle changes
```

```
INSERT INTO StagingDatabase.staging.stage_dim_product_changed
(product_id, name, price) (SELECT ProductID, Name, ListPrice
FROM AdventureWorks2017.Production.Product
EXCEPT
SELECT product_id, name, stage_dim_product.price
FROM StagingDatabase.staging.stage_dim_product
EXCEPT (
SELECT ProductID, Name, ListPrice
FROM AdventureWorks2017.Production.Product
WHERE productID IN
```

```
        (SELECT productID
         FROM AdventureWorks2017.Production.Product
         EXCEPT
         SELECT product_id
         FROM StagingDatabase.staging.stage_dim_product)
    ));
```

-- Update valid_to attribute to '9999-12-31'

```
UPDATE StagingDatabase.staging.stage_dim_product_changed
SET valid_to = '9999-12-31'
WHERE valid_to IS NULL;
```

-- Update valid_from to today's date

```
UPDATE StagingDatabase.staging.stage_dim_product_changed
SET valid_from = GETDATE()
WHERE valid_from IS NULL;
```

-- Update reference to price range

```
UPDATE StagingDatabase.staging.stage_dim_product_changed
SET price_range_id = (SELECT dimension_price_range_id
                     FROM AdventureWorks_DW.star_schema.d_price_range
                     WHERE price BETWEEN start_price AND end_price)
WHERE price_range_id IS NULL;
```

-- Alter changed rows in Data Warehouse

```
UPDATE AdventureWorks_DW.star_schema.d_product
SET valid_to = DATEADD(dd, -1, GETDATE())
WHERE product_id IN (SELECT product_id FROM StagingDatabase.staging.stage_dim_product_changed);
```

-- Insert new product to Data Warehouse

```
INSERT INTO AdventureWorks_DW.star_schema.d_product
SELECT *
FROM StagingDatabase.staging.stage_dim_product_changed;
```

-- Delete data in temporary table

```
DELETE
FROM StagingDatabase.staging.stage_dim_product_changed;
```

```

-- Search and insert newly added customer into staging added Customer table
INSERT INTO StagingDatabase.staging.stage_dim_customer_added(customer_id, title, first_name, middle_name, last_name)
SELECT CustomerID, Title, FirstName, MiddleName, LastName
FROM AdventureWorks2017.Sales.Customer JOIN AdventureWorks2017.Person.Person ON Customer.PersonID =
Person.BusinessEntityID
WHERE CustomerID IN (SELECT CustomerID
FROM AdventureWorks2017.Sales.Customer
EXCEPT
SELECT customer_id
FROM StagingDatabase.staging.stage_dim_customer);

```

```

-- Replace all NULL values with current date
UPDATE StagingDatabase.staging.stage_dim_customer_added
SET valid_from = GETDATE()
WHERE valid_to IS NULL;

```

```

-- Replace all NULL values with date 31.12.9999
UPDATE StagingDatabase.staging.stage_dim_customer_added
SET valid_to = '9999-12-31'
WHERE valid_to IS NULL;

```

```

-- Load newly added and modified rows into the Data Warehouse
INSERT INTO AdventureWorks_DW.star_schema.d_customer
SELECT *
FROM StagingDatabase.staging.stage_dim_customer_added;

```

```

-- Retrieve and update data warehouse, set valid_to attribute to yesterdays date for deleted
-- customers.

```

```

UPDATE AdventureWorks_DW.star_schema.d_customer
SET valid_to = DATEADD(dd, -1, GETDATE())
WHERE customer_id IN (
SELECT customer_id
FROM AdventureWorks_DW.star_schema.d_customer
WHERE customer_id IN (SELECT customer_id
FROM AdventureWorks_DW.star_schema.d_customer
EXCEPT
SELECT CustomerID
FROM AdventureWorks2017.Sales.Customer)
)

```

```

-- Inserting updated rows into the temporary table to handle changes

```

```

INSERT INTO StagingDatabase.staging.stage_dim_customer_changed
(customer_id, title, first_name, middle_name, last_name) (SELECT CustomerID, Title, FirstName, MiddleName, LastName
FROM AdventureWorks2017.Sales.Customer
JOIN AdventureWorks2017.Person.Person ON Customer.PersonID = Person.BusinessEntityID
EXCEPT
SELECT customer_id, title, first_name, middle_name, last_name
FROM StagingDatabase.staging.stage_dim_customer
EXCEPT (
SELECT CustomerID, Title, FirstName, MiddleName, LastName
FROM AdventureWorks2017.Sales.Customer
JOIN AdventureWorks2017.Person.Person ON Customer.PersonID = Person.BusinessEntityID
WHERE CustomerID IN
(SELECT CustomerID
FROM AdventureWorks2017.Sales.Customer
EXCEPT
SELECT customer_id
FROM StagingDatabase.staging.stage_dim_customer)
));

```

```

-- Update valid_to attribute to '9999-12-31'

```

```

UPDATE StagingDatabase.staging.stage_dim_customer_changed

```

```
SET valid_from = GETDATE()  
WHERE valid_from IS NULL;
```

```
-- Update title attribute to 'N/A'
```

```
UPDATE StagingDatabase.staging.stage_dim_customer_changed  
SET valid_to = '9999-12-31'  
WHERE valid_to IS NULL;
```

```
-- Update middle_name attribute to 'N/A'
```

```
UPDATE StagingDatabase.staging.stage_dim_customer_changed  
SET title = 'N/A'  
WHERE title IS NULL;
```

```
-- Update valid_to attribute to 'N/A'
```

```
UPDATE StagingDatabase.staging.stage_dim_customer_changed  
SET middle_name = 'N/A'  
WHERE middle_name IS NULL;
```

```
-- Alter changed rows in Data Warehouse
```

```
UPDATE AdventureWorks_DW.star_schema.d_customer  
SET valid_to = DATEADD(dd, -1, GETDATE())  
WHERE customer_id in (SELECT customer_id FROM StagingDatabase.staging.stage_dim_customer_changed);
```

```
-- Insert new customer to Data Warehouse
```

```
INSERT INTO AdventureWorks_DW.star_schema.d_customer  
SELECT *  
FROM StagingDatabase.staging.stage_dim_customer_changed;
```

```
-- *****  
-- ***** FACT TABLE UPDATE *****  
-- *****
```

```
DECLARE @LAST_UPDATE as DATETIME = (SELECT lastUpdate  
      FROM StagingDatabase.staging.LastUpdate);
```

```
-- Insert newly updated rows into temp_f_sales table. Select only the ones newer than the last update.
```

```
INSERT INTO StagingDatabase.staging.stage_f_sales  
(business_customer_id, business_product_id, business_order_date, quantity, line_total)  
  (SELECT C.CustomerID, P.ProductID, OrderDate, SOD.OrderQty, SOD.LineTotal  
    FROM AdventureWorks2017.Sales.SalesOrderHeader SOH  
      JOIN AdventureWorks2017.Sales.SalesOrderDetail SOD on SOH.SalesOrderID = SOD.SalesOrderID  
      JOIN AdventureWorks2017.Sales.Customer C on SOH.CustomerID = C.CustomerID  
      JOIN AdventureWorks2017.Production.Product P on SOD.ProductID = P.ProductID  
    WHERE OnlineOrderFlag = 1  
      AND OrderDate > @LAST_UPDATE);
```

```
-- Find corresponding surrogate keys.
```

```
-- ***** Customer *****
```

```
UPDATE StagingDatabase.staging.stage_f_sales  
SET customer_id = (SELECT dimension_customer_id  
      FROM AdventureWorks_DW.star_schema.d_customer AS dim_C_id  
      WHERE dim_C_id.customer_id = business_customer_id  
        AND valid_to = '9999-12-31')  
WHERE customer_id IS NULL;
```

```
-- ***** Product *****
```

```
UPDATE StagingDatabase.staging.stage_f_sales  
SET product_id = (SELECT dimension_product_id  
      FROM AdventureWorks_DW.star_schema.d_product AS dim_P_id  
      WHERE dim_P_id.product_id = business_product_id  
        AND valid_to = '9999-12-31')  
WHERE product_id IS NULL;
```

```
-- ***** Date *****
```

```
UPDATE StagingDatabase.staging.stage_f_sales  
SET date_id = (SELECT dimension_date_id  
      FROM AdventureWorks_DW.star_schema.d_date AS dim_D_id  
      WHERE dim_D_id.date = business_order_date)  
WHERE date_id IS NULL;
```

```
-- Insert data into Data Warehouse Fact Sales table
```

```
INSERT INTO AdventureWorks_DW.star_schema.f_sales(customer_id, product_id, date_id, quantity, line_total)  
SELECT customer_id, product_id, date_id, quantity, line_total  
FROM StagingDatabase.staging.temp_f_sales;
```

```
-- Update last update table with the newest date
```

```
UPDATE StagingDatabase.staging.LastUpdate  
SET lastUpdate = GETDATE()  
WHERE lastUpdate = @LAST_UPDATE;
```