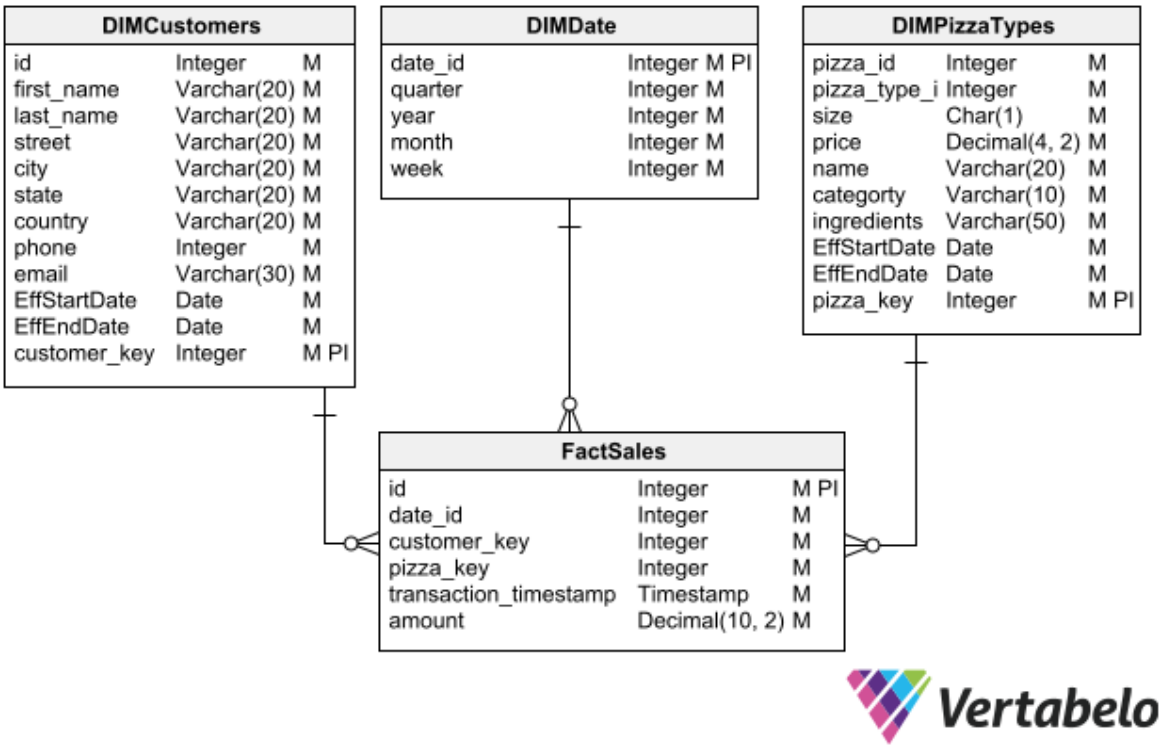
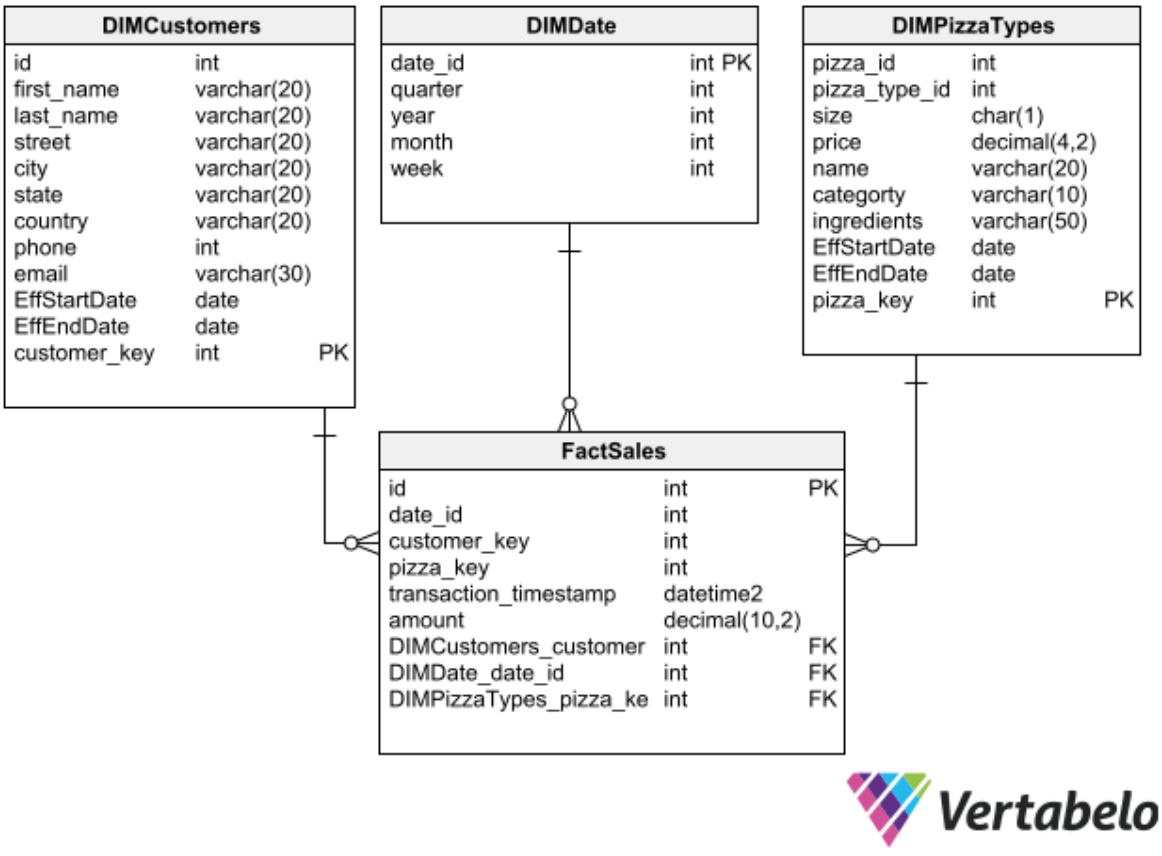
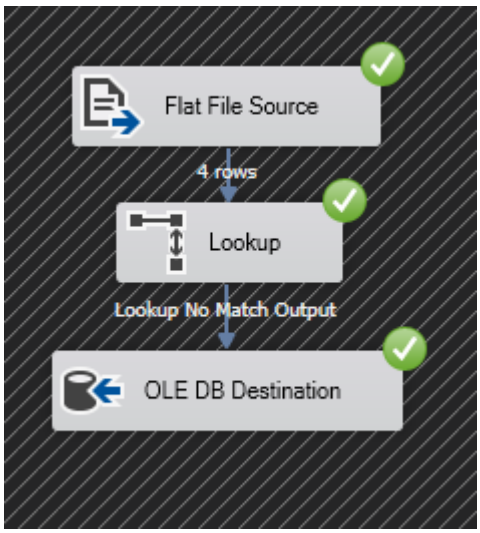
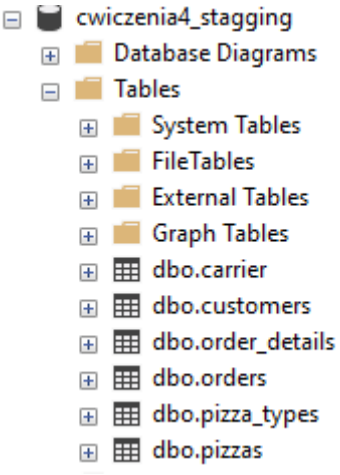
Zadanie 1

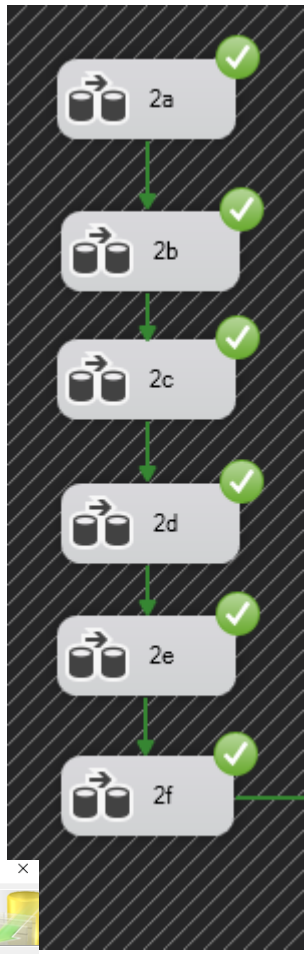

DIMCustomers
id Integer M
first_name Varchar(20) M
last_name Varchar(20) M
street Varchar(20) M
city Varchar(20) M
state Varchar(20) M
country Varchar(20) M
phone Integer M
email Varchar(30) M
EffStartDate Date M
EffEndDate Date M
customer_key Integer M PI
DIMDate
date_id Integer M PI
quarter Integer M
year Integer M
month Integer M
week Integer M
DIMPizzaTypes
pizza_id Integer M
pizza_type_i Integer M
size Char(1) M
price Decimal(4, 2) M
name Varchar(20) M
categorty Varchar(10) M
ingredients Varchar(50) M
EffStartDate Date M
EffEndDate Date M
pizza_key Integer M PI
FactSales
id Integer M PI
date_id Integer M
customer_key Integer M
pizza_key Integer M
transaction_timestamp Timestamp M
amount Decimal(10, 2) M
Vertabelo


DIMCustomers
id int
first_name varchar(20)
last_name varchar(20)
street varchar(20)
city varchar(20)
state varchar(20)
country varchar(20)
phone int
email varchar(30)
EffStartDate date
EffEndDate date
customer_key int PK
DIMDate
date_id int PK
quarter int
year int
month int
week int
DIMPizzaTypes
pizza_id int
pizza_type_id int
size char(1)
price decimal(4,2)
name varchar(20)
categorty varchar(10)
ingredients varchar(50)
EffStartDate date
EffEndDate date
pizza_key int PK
FactSales
id int PK
date_id int
customer_key int
pizza_key int
transaction_timestamp datetime2
amount decimal(10,2)
DIMCustomers_customer int FK
DIMDate_date_id int FK
DIMPizzaTypes_pizza_ke int FK
Vertabelo

Zadanie 2

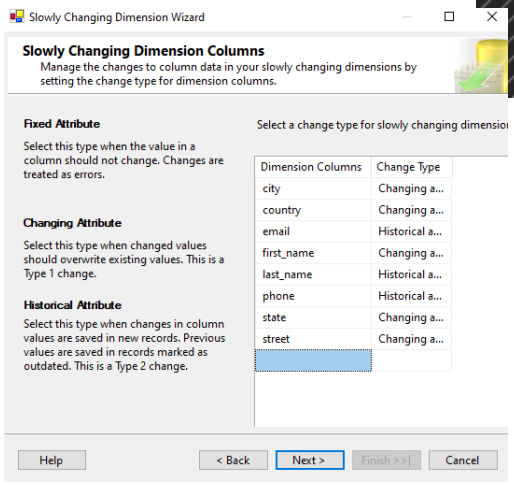


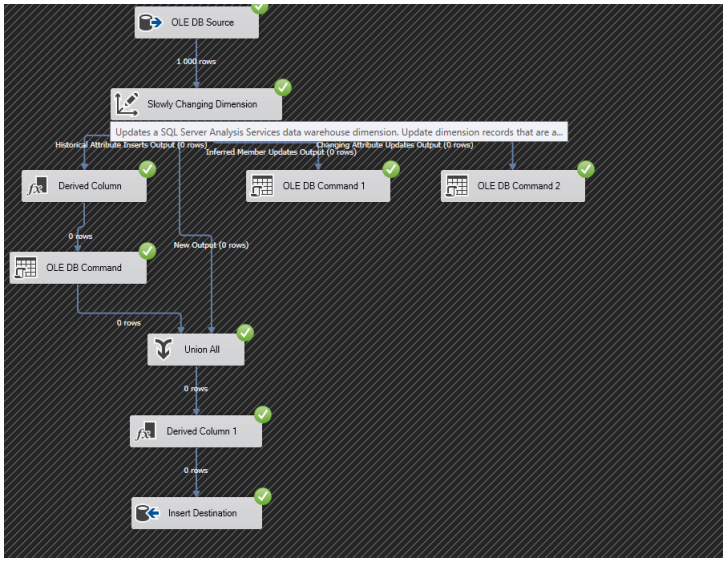




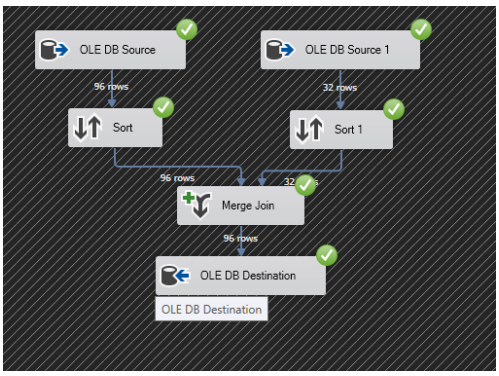
Zadanie 3

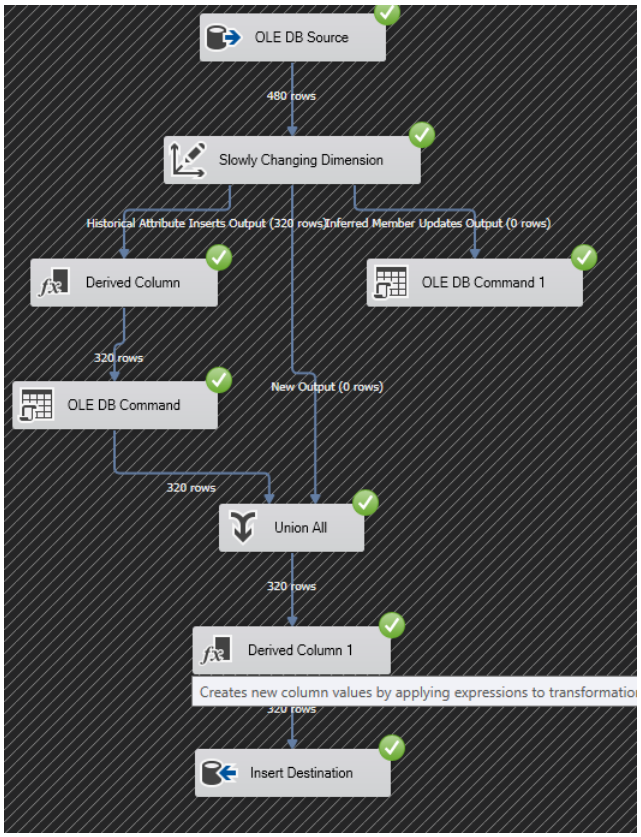
```
USE [cwiczenia4_prod]
GO

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[DIMCustomers](
    [key] [int] IDENTITY(1,1),
    [id] [int] NULL,
    [first_name] [varchar](50) NULL,
    [last_name] [varchar](50) NULL,
    [street] [varchar](50) NULL,
    [city] [varchar](50) NULL,
    [state] [varchar](50) NULL,
    [country] [varchar](50) NULL,
    [phone] [varchar](12) NULL,
    [email] [varchar](50) NULL,
    [EffStartDate] [date] NULL,
    [EffEndDate] [date] NULL
) ON [PRIMARY]
GO
```





Zadanie 4






```sql
USE [cwiczenia4_prod]
GO

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[DIMPizzaTypes](
    [key] [int] IDENTITY(1,1),
    [pizza_type_id] [varchar](50) NULL,
    [name] [varchar](50) NULL,
    [category] [varchar](50) NULL,
    [ingredients] [varchar](250) NULL,
    [pizza_id] [varchar](50) NULL,
    [size] [varchar](50) NULL,
    [price] [varchar](50) NULL,
    [EffStartDate] [date] NULL,
    [EffEndDate] [date] NULL
) ON [PRIMARY]
GO
```

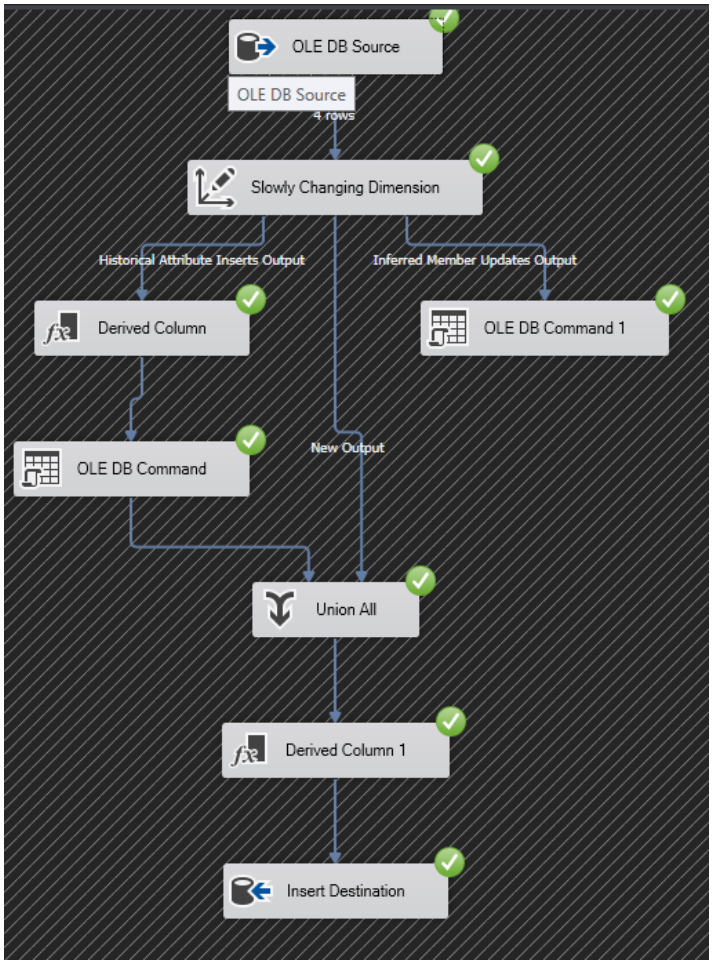
Zadanie 5

```sql
create table  [dbo].[DIMDate] (
    [key] int NOT NULL,
    [date] date NOT NULL,
    [day] int NOT NULL,
    [week] int NOT NULL,
    [month] int NOT NULL,
    [quarter] int NOT NULL,
    [year] int NOT NULL
);

declare @CurrentDate date = '2015-01-01'
declare @EndDate date = dateadd(day, -1, dateadd(year, 10, @CurrentDate));

while @CurrentDate < @EndDate
begin
    insert into [dbo].[DIMDate] (
        [key],
        [date],
        [day],
        [week],
        [month],
        [quarter],
        [year]
    )
    select [key] = year(@CurrentDate) * 1000 + month(@CurrentDate) * 100 + day(@CurrentDate),
           [date] = @CurrentDate,
           [day] = day(@CurrentDate),
           [week] = datepart(wk, @CurrentDate),
           [month] = month(@CurrentDate),
           [quarter] = datepart(q, @CurrentDate),
           [year] = year(@CurrentDate)


    set @CurrentDate = dateadd(DD, 1, @CurrentDate)
end

select * from [dbo].[DIMDate]
```

90 %

Results | Messages

	key	date	day	week	month	quarter	year
1	2015101	2015-01-01	1	1	1	1	2015
2	2015102	2015-01-02	2	1	1	1	2015
3	2015103	2015-01-03	3	1	1	1	2015
4	2015104	2015-01-04	4	2	1	1	2015
5	2015105	2015-01-05	5	2	1	1	2015
6	2015106	2015-01-06	6	2	1	1	2015
7	2015107	2015-01-07	7	2	1	1	2015
8	2015108	2015-01-08	8	2	1	1	2015
9	2015109	2015-01-09	9	2	1	1	2015

Zadanie 6

```
USE [cwiczenia4_prod]
GO

SET ANSI_NULLS ON
GO

SET QUOTED_IDENTIFIER ON
GO

CREATE TABLE [dbo].[DIMCarrier](
    [key] [int] IDENTITY(1,1),
    [carrier_id] [int] NULL,
    [carrier_name] [varchar](4) NULL,
    [address] [varchar](50) NULL,
    [tax_id] [int] NULL,
    [contact_person] [varchar](19) NULL,
    [EffStartDate] [date] NULL,
    [EffEndDate] [date] NULL
) ON [PRIMARY]
GO
```