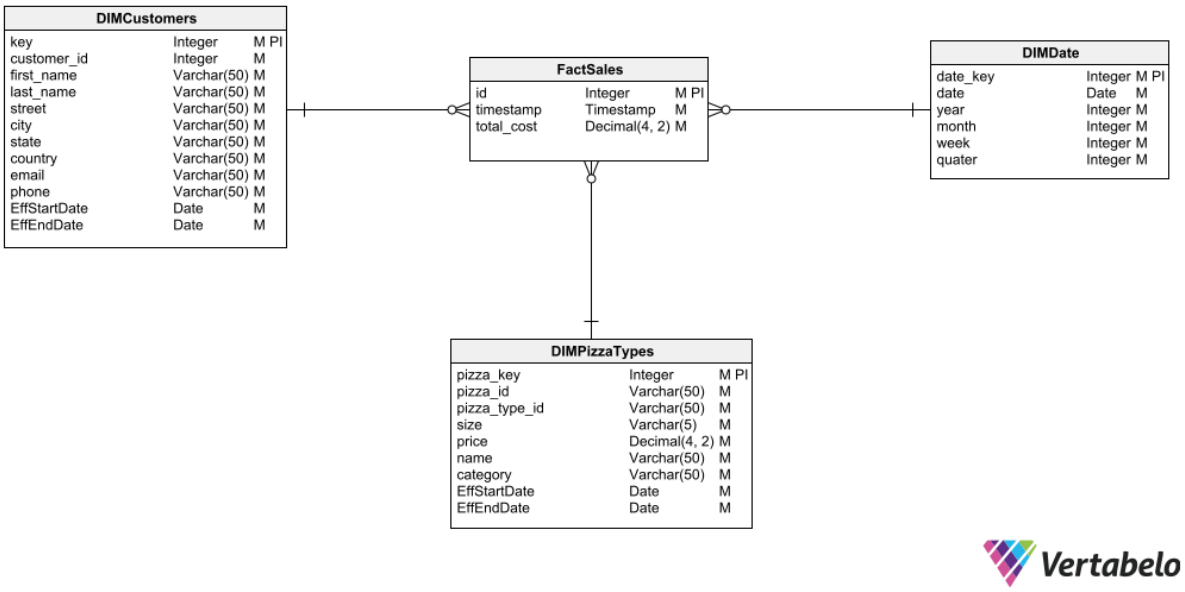
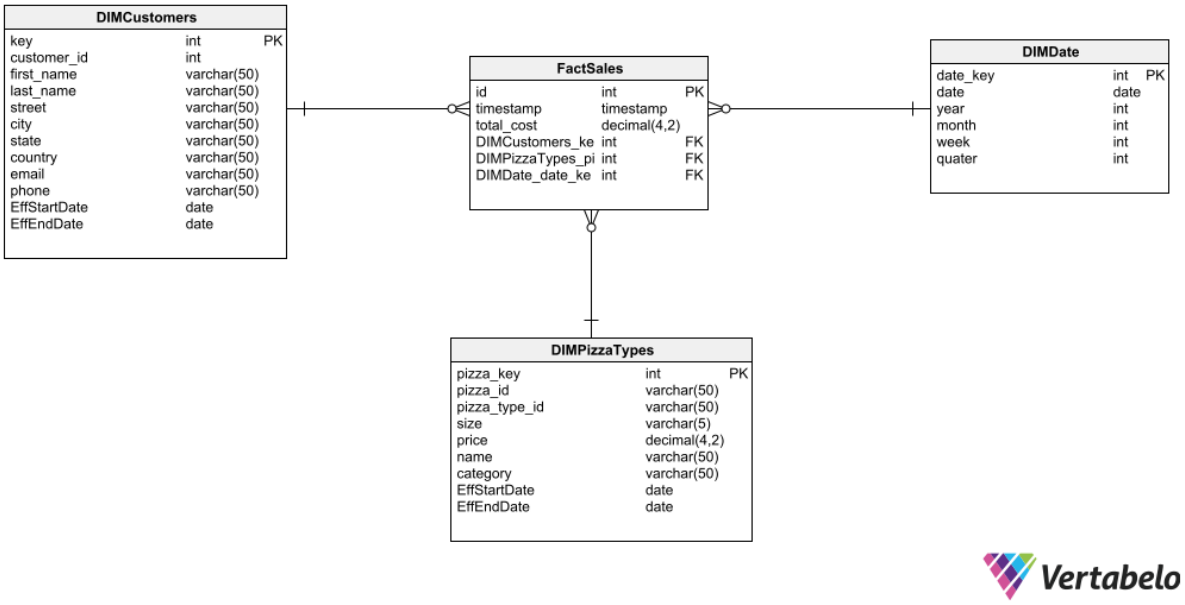
Zad. 1

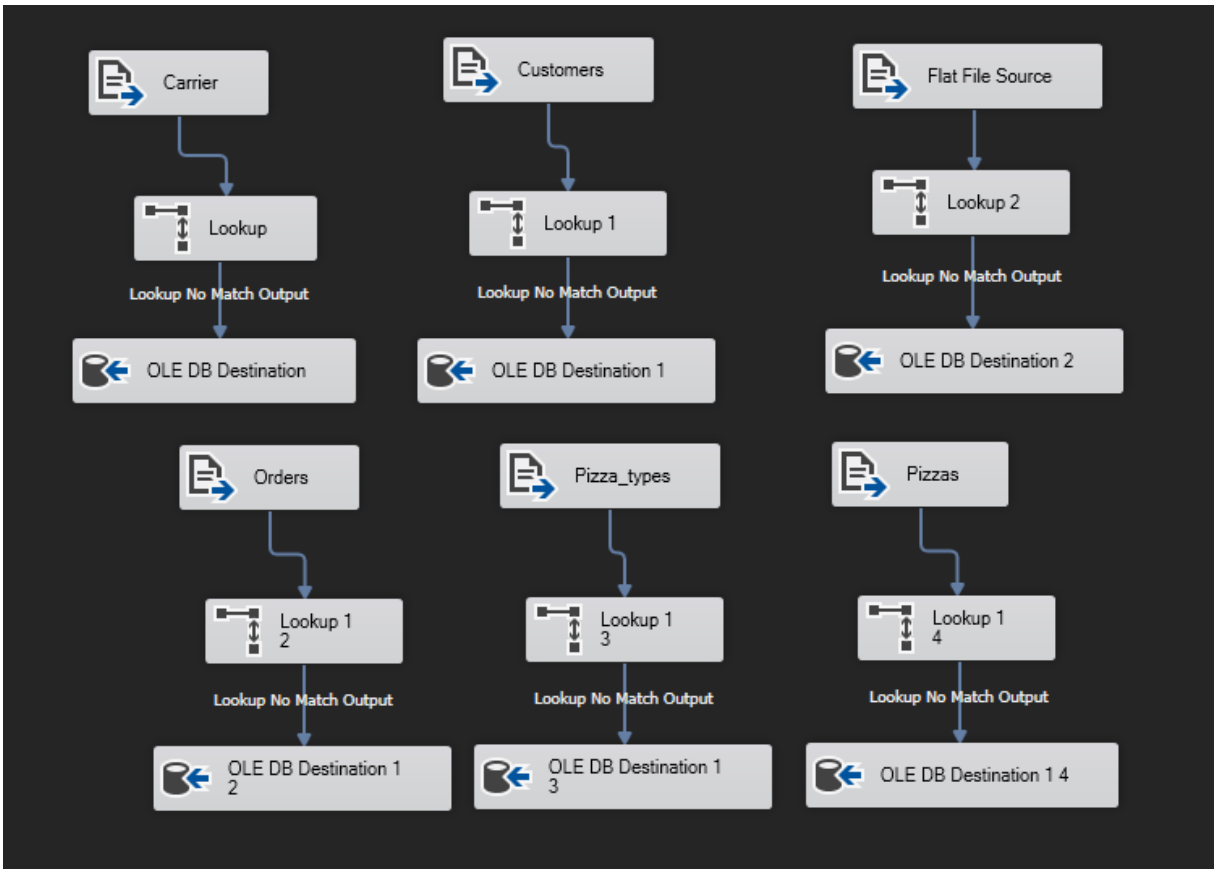
Model logiczny:

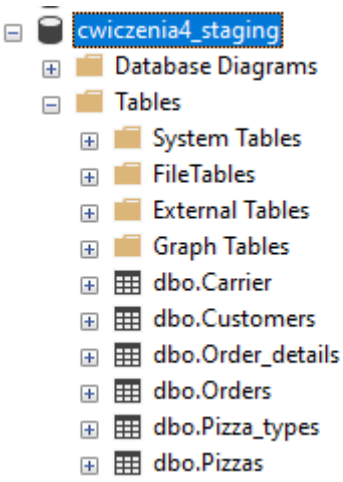


Model fizyczny:



Zad. 2

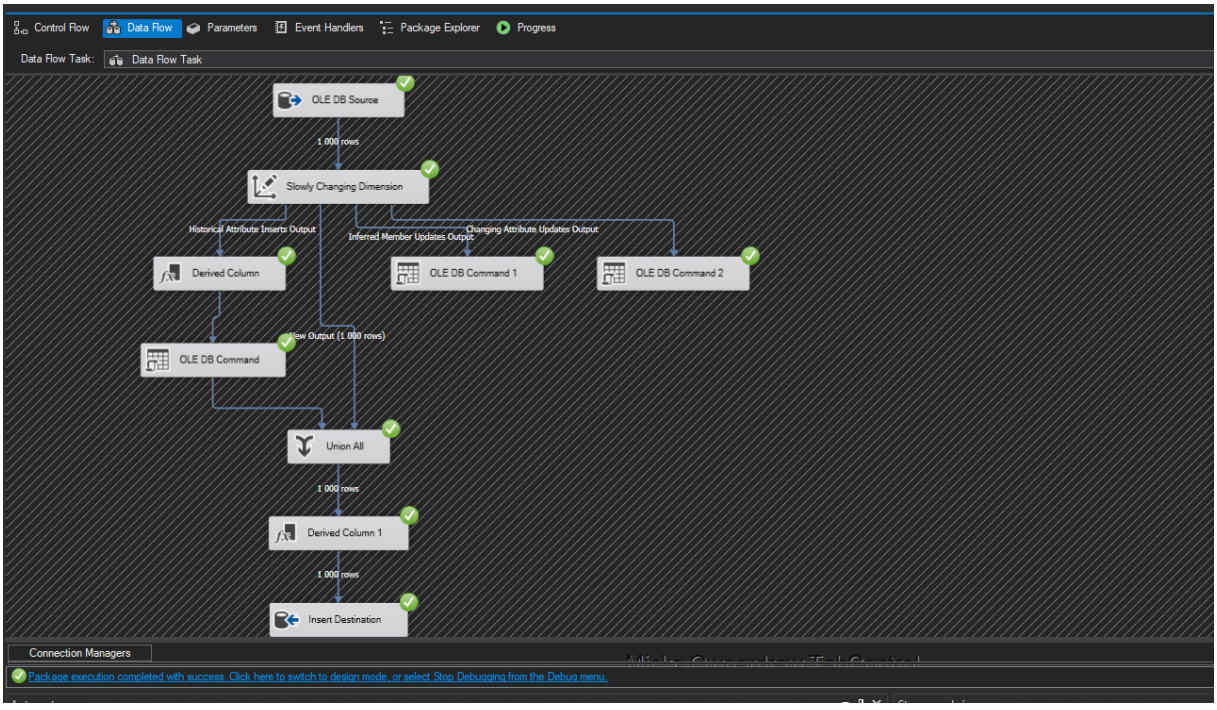

Carrier
Lookup
Lookup No Match Output
OLE DB Destination
Customers
Lookup 1
Lookup No Match Output
OLE DB Destination 1
Flat File Source
Lookup 2
Lookup No Match Output
OLE DB Destination 2
Orders
Lookup 1 2
Lookup No Match Output
OLE DB Destination 1 2
Pizza_types
Lookup 1 3
Lookup No Match Output
OLE DB Destination 1 3
Pizzas
Lookup 1 4
Lookup No Match Output
OLE DB Destination 1 4


cwiczenia4_staging
Database Diagrams
Tables
System Tables
FileTables
External Tables
Graph Tables
dbo.Carrier
dbo.Customers
dbo.Order_details
dbo.Orders
dbo.Pizza_types
dbo.Pizzas

Zad. 3

SQLQuery2.sql - (l...HSFLGB\Wiktor (66))*

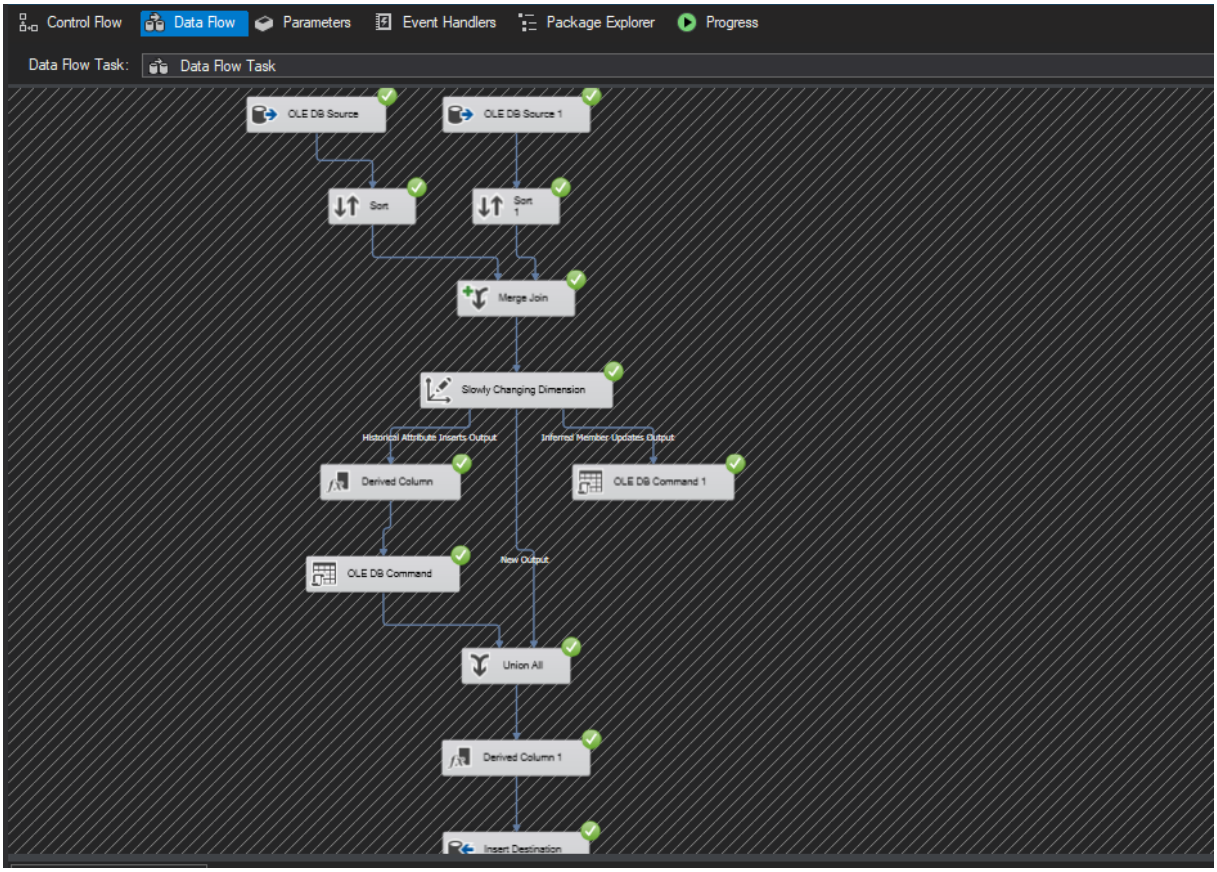
```
create table [dbo].[DIMCustomers] (
    [id_num] int identity(1,1),
    [id] [varchar](50) NULL,
    [first_name] [varchar](50) NULL,
    [last_name] [varchar](50) NULL,
    [street] [varchar](50) NULL,
    [city] [varchar](50) NULL,
    [state] [varchar](50) NULL,
    [country] [varchar](50) NULL,
    [phone] [varchar](50) NULL,
    [email] [varchar](50) NULL,
    [eff_start_date] [date] NULL,
    [eff_end_date] [date] NULL,
);
```



Zad. 4

SQLQuery7.sql - (I...HSFLGB\Wiktor (55))* | SQLQuery5.sql - (I...HSFLGB\Wiktor (53))* | SQLQuery3

```
CREATE TABLE [dbo].[DIMPizzaTypes](
    [key] [int] identity(1,1),
    [pizza_id] [varchar](50) NULL,
    [pizza_type_id] [varchar](50) NULL,
    [name] [varchar](50) NULL,
    [category] [varchar](50) NULL,
    [ingredients] [varchar](50) NULL,
    [size] [varchar](50) NULL,
    [price] [varchar](50) NULL,
    [eff_start_date] [date] NULL,
    [eff_end_date] [date] NULL
)
```



Zad. 5

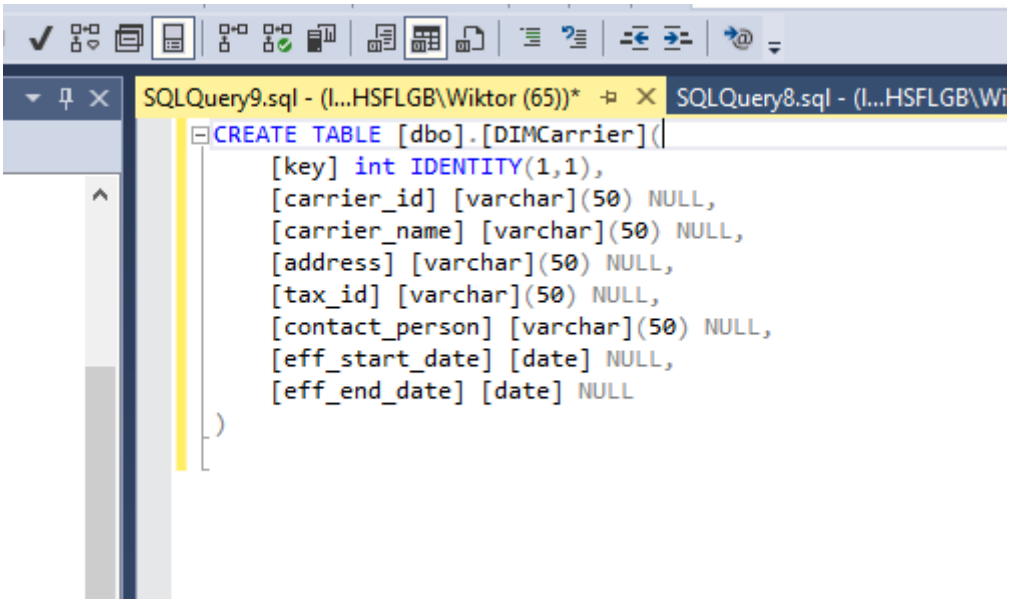
SQLQuery9.sql - (l...HSFLGB\Wiktor (65))* | SQLQuery8.sql - (l...HSFLGB\Wiktor (60)) | SQ

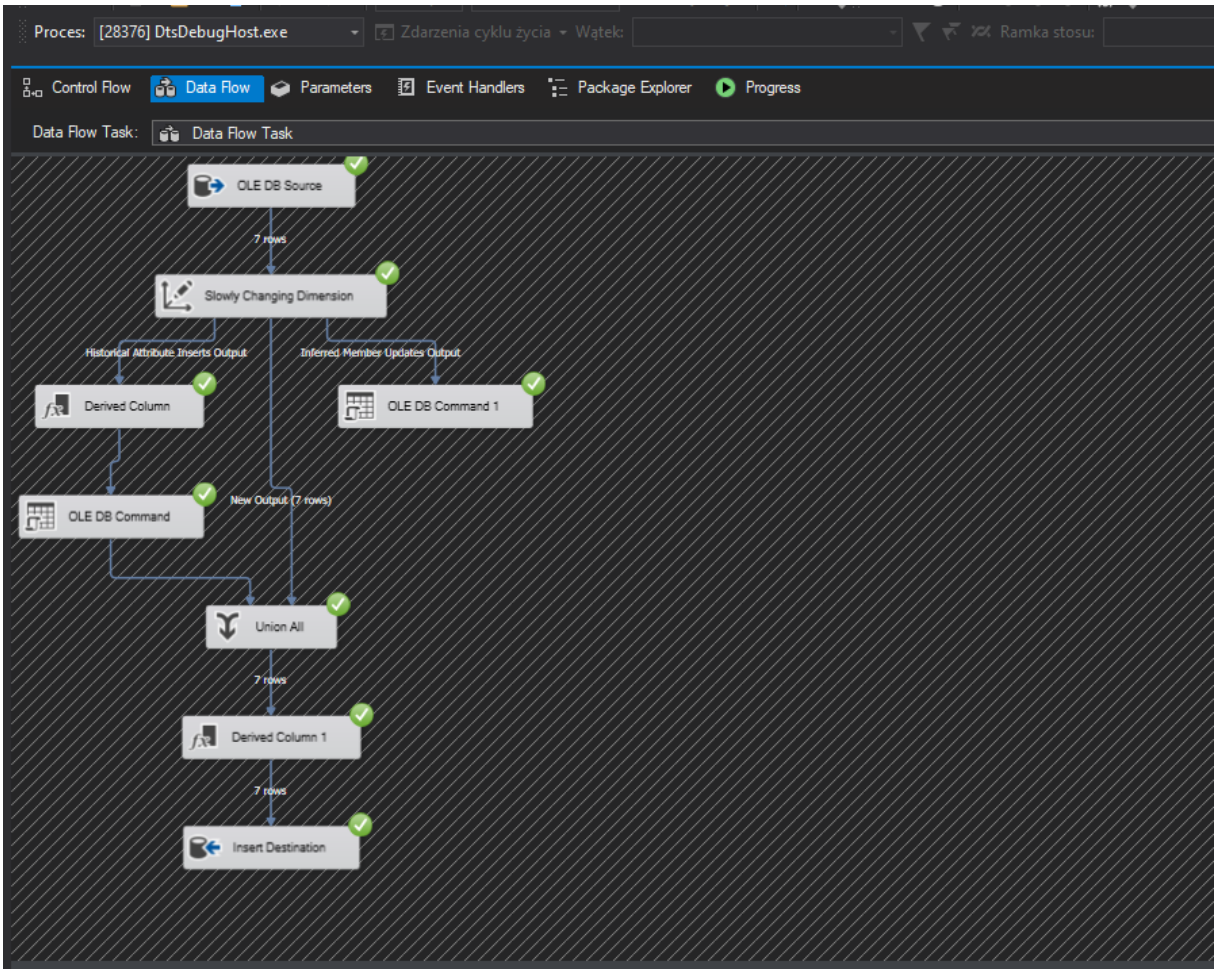
```
DECLARE @StartDate  date = '20150101';

DECLARE @CutoffDate date = DATEADD(DAY, -1, DATEADD(YEAR, 10, @StartDate

;WITH seq(n) AS
(
  SELECT 0 UNION ALL SELECT n + 1 FROM seq
  WHERE n < DATEDIFF(DAY, @StartDate, @CutoffDate)
),
D(D) AS
(
  SELECT DATEADD(DAY, n, @StartDate) FROM seq
),
src AS
(
  SELECT
    TheDate = CONVERT(date, D),
    TheWeek = DATEPART(WEEK, D),
    TheMonth = DATEPART(MONTH, D),
    TheQuarter = DATEPART(Quarter, D),
    TheYear = DATEPART(YEAR, D)
  FROM D
)
SELECT *
    INTO DIMDate
    FROM src
  ORDER BY TheDate
  OPTION (MAXRECURSION 0);
```

Zad. 6






```
select * from DIMCarrier;
```

100 %

Results | Messages

	key	carrier_id	carrier_name	address	tax_id	contact_person	eff_start_date	eff_end_date
1	1	"1	Bolt	"""711 County Rd #44"			2022-11-03	NULL
2	2	"Marion	Alabama(AL)	36756"""	80794	a.adams@bolt.com"	2022-11-03	NULL
3	3	"2	Uber	"""124 Elizabethton Way"			2022-11-03	NULL
4	4	"Clinton	Tennessee(TN)	37716"""	516387	b.bonsohn@uber.com"	2022-11-03	NULL
5	5	"3	Volt	"""29741 Little Bear Dr"			2022-11-03	NULL
6	6	"Danbury	Wisconsin(WI)	54830"""	162056	c.callente@volt.com"	2022-11-03	NULL
7	7	4	Own	n/a	563452	n/a	2022-11-03	NULL