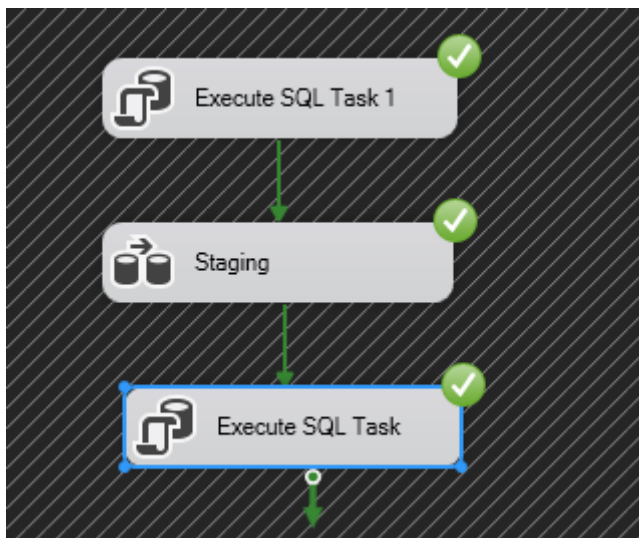
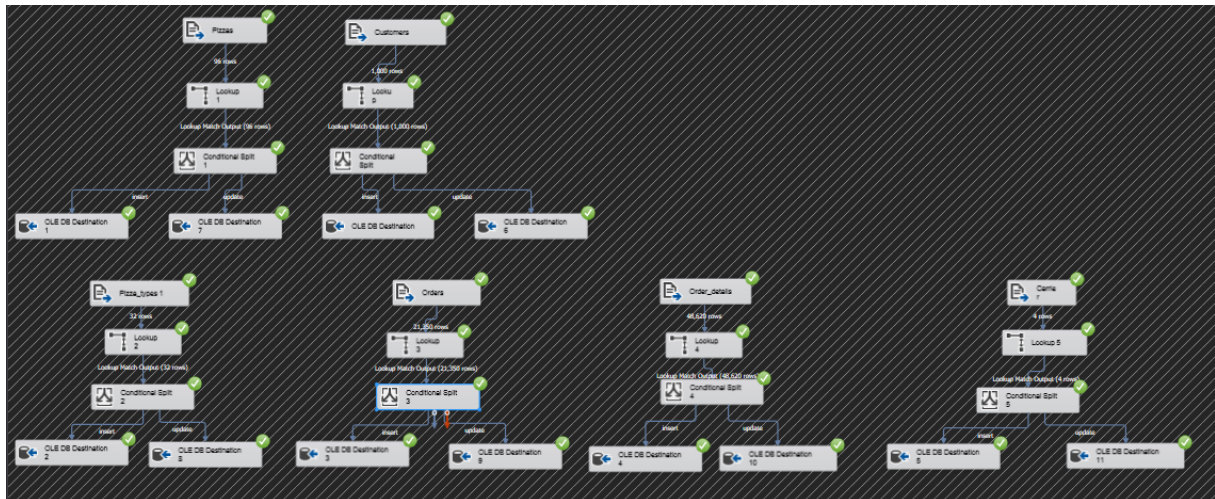


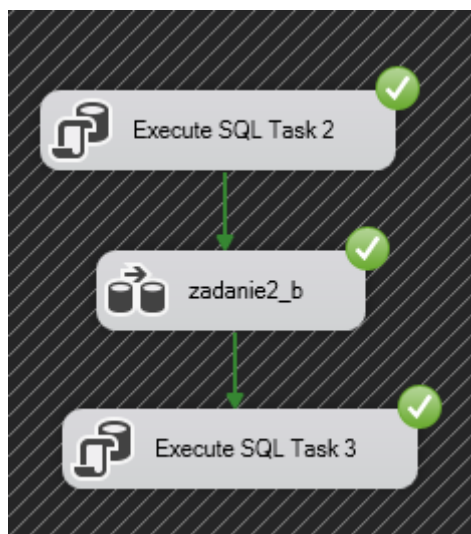
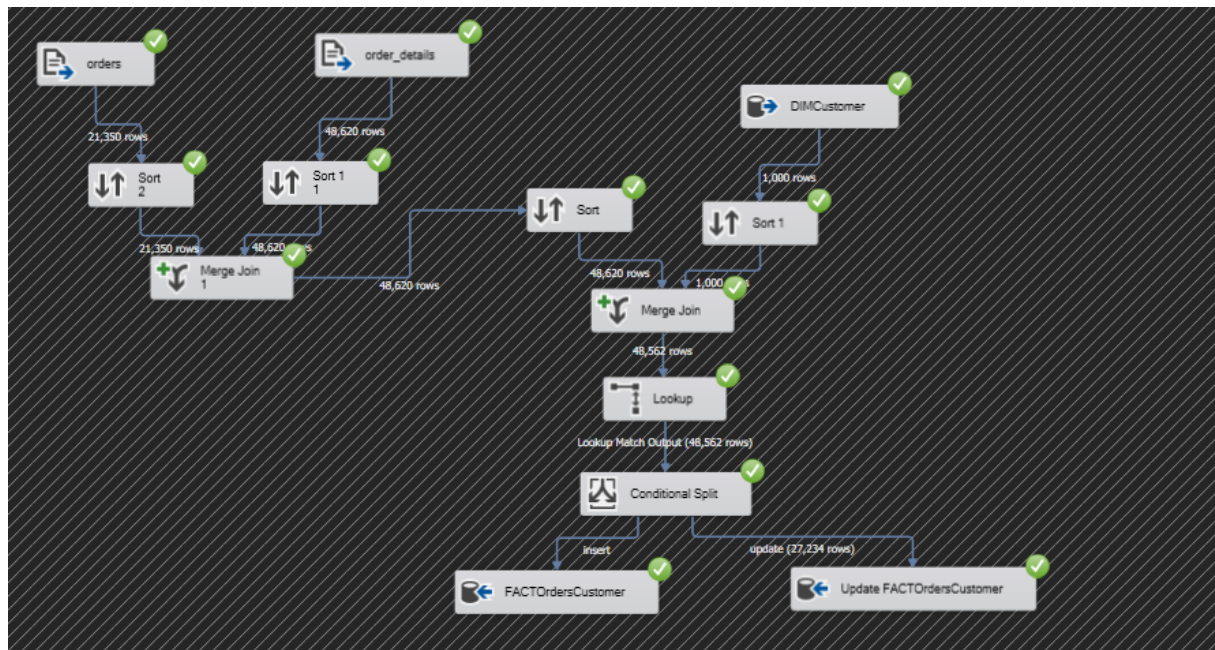
## ZADANIE 1



The screenshot displays the SQL Server Enterprise Manager interface. The 'Query Execution' window is open, showing a SQL query that selects data from a staging table and updates the 'customers' table. The 'Results' pane shows a single row of data, indicating that the query executed successfully.

id	first_name	last_name	street	city	state	country	phone	email	output_id	output_first_name	output_last_name	output_street	output_city	output_state	output_country	output_phone	output_email
1	Arnel	Gronou	87931 Tony Court	New York City	Kansas	United States	211-695-5506	agronou0@wmp.com	1	Arnel	Gronou	87931 Tony Court	New York City	Kansas	United States	211-695-5506	agronou0@wmp.com

## ZADANIE 2



```

update fact
set fact.order_id = fact_up.order_id,
fact.date = fact_up.date,
fact.time = fact_up.time,
fact.carrier_id = fact_up.carrier_id,
fact.order_details_id = fact_up.order_details_id,
fact.pizza_id = fact_up.pizza_id,
fact.quantity = fact_up.quantity,
fact.id_num = fact_up.id_num
from [dbo].[FACTOrdersCustomers] fact
inner join [dbo].[update_FACTOrdersCustomers] fact_up
on fact_up.order_id = fact.order_id

```

ZADANIE 3

```

CREATE CLUSTERED INDEX idx_customer_state ON [dbo].[DIMCustomers] ([state])

IF EXISTS
(
    SELECT 1 FROM sys.indexes
    WHERE name='idx_customer_state' AND object_id = OBJECT_ID('[dbo].[DIMCustomers]')
)
BEGIN
    PRINT 'Clustered index "idx_customer_state" exists'
END

```

#### ZADANIE 4

```

CREATE VIEW carrier_sales WITH SCHEMABINDING AS
SELECT
    ft.[order_details_id],
    ft.[order_id],
    ft.[pizza_id],
    ft.[quantity],
    ft.[date],
    ft.[time],
    c.[carrier_id],
    c.[carrier_name],
    c.[address],
    c.[tax_id],
    c.[contact_person]
FROM [dbo].[FACTOrdersCustomers] ft
JOIN [dbo].[DIMCarrier] c
ON c.[key] = ft.[carrier_id]

CREATE UNIQUE CLUSTERED INDEX idx_carrier_sales ON carrier_sales (
    [order_details_id]
    , [order_id]
    , [pizza_id]
    , [quantity]
    , [date]
    , [time]
    , [carrier_id]
    , [carrier_name]
    , [address]
    , [tax_id]
    , [contact_person]
)

IF EXISTS
(
    SELECT 1 FROM sys.indexes
    WHERE name='idx_carrier_sales' AND object_id = OBJECT_ID('carrier_sales')
)
BEGIN
    PRINT 'Clustered unique index "idx_carrier_sales" exists'
END

```

```
36 CREATE UNIQUE CLUSTERED INDEX idx_carrier_sales ON carrier_sales (  
37     ,[order_details_id]  
38     ,[order_id]  
39     ,[pizza_id]  
40     ,[quantity]  
41     ,[date]  
42     ,[time]  
43     ,[carrier_id]  
44     ,[carrier_name]  
45     ,[address]  
46     ,[tax_id]  
47     ,[contact_person]  
48 )  
49  
50 IF EXISTS  
51 (  
52     SELECT 1 FROM sys.indexes  
53     WHERE name='idx_carrier_sales' AND object_id = OBJECT_ID('carrier_sales')  
54 )  
55
```

100 %

Messages

Msg 1608, Level 16, State 1, Line 36  
The CREATE UNIQUE INDEX statement terminated because a duplicate key was found for the object name 'dbo.carrier\_sales' and the index name 'idx\_carrier\_sales'. The duplicate key value is (1000, 439, ckn\_alfredo). The statement has been terminated.

Completion time: 2022-11-07T01:34:07.1881656+01:00