ZADANIE 1

```sql
with temp_table as (
SELECT od.order_id, sum(p.price) price_sum, o.date
    FROM [lab1].[dbo].[order_details] od
    join pizzas p on p.pizza_id=od.pizza_id
    join orders o on o.order_id=od.order_id
    where o.date='2015-02-18'
    group by od.order_id, o.date
)

    SELECT avg(price_sum) avg, date
    FROM temp_table
    GROUP BY date
```
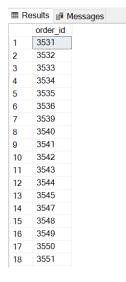
⊞ Results 📄 Messages

	avg	date
1	42.583606	2015-02-18

ZADANIE 2

```sql
with temp_table as (
SELECT od.order_id,o.date, string_agg(pd.ingredients,',') ingredients
    FROM [lab1].[dbo].[order_details] od
    join pizzas p on p.pizza_id=od.pizza_id
    join orders o on o.order_id=od.order_id
    join pizza_types pd on p.pizza_type_id=pd.pizza_type_id
    group by od.order_id, o.date
)

SELECT order_id FROM temp_table
WHERE (date like '2015-03-%' AND ingredients not like '%Pineapple%')
```

⊞ Results 📄 Messages

	order_id
1	3531
2	3532
3	3533
4	3534
5	3535
6	3536
7	3539
8	3540
9	3541
10	3542
11	3543
12	3544
13	3545
14	3547
15	3548
16	3549
17	3550
18	3551

ZADANIE 3

```sql
with temp_table as(
SELECT od.order_id, o.date, sum(p.price) as total_price , rank () over (order by sum(p.price) desc) as ranking
FROM order_details od
join pizzas p on p.pizza_id=od.pizza_id
join orders o on o.order_id=od.order_id
where o.date like '%-02-%'
group by od.order_id, o.date
)

select * from temp_table
where ranking <=10
```

	order_id	date	total_price	ranking
1	2675	2015-02-14	238.00	1
2	3473	2015-02-28	230.25	2
3	2725	2015-02-15	226.25	3
4	2126	2015-02-05	223.25	4
5	3292	2015-02-25	219.20	5
6	1957	2015-02-02	218.50	6
7	2075	2015-02-04	217.35	7
8	2547	2015-02-12	213.15	8
9	2188	2015-02-06	205.50	9
10	2612	2015-02-13	205.00	10
11	2369	2015-02-09	205.00	10

ZADANIE 4

```sql
with temp_table as (
SELECT od.order_id, sum(p.price) as order_amount ,o.date, MONTH(o.date) month
FROM order_details od
join pizzas p on p.pizza_id=od.pizza_id
join orders o on o.order_id=od.order_id
group by od.order_id,o.date
),

average_per_month as (
SELECT avg(order_amount) as average_order_amount, month
FROM temp_table
GROUP BY month
)


SELECT order_id,order_amount, apm.average_order_amount,date
FROM temp_table
JOIN average_per_month apm ON apm.month=temp_table.month
```

⊞ Results 🗗 Messages

	order_id	order_amount	average_order_amount	date
1	1	13.25	37.112574	2015-01-01
2	2	92.00	37.112574	2015-01-01
3	3	37.25	37.112574	2015-01-01
4	4	16.50	37.112574	2015-01-01
5	5	16.50	37.112574	2015-01-01
6	6	24.75	37.112574	2015-01-01
7	7	12.50	37.112574	2015-01-01
8	8	12.50	37.112574	2015-01-01
9	9	143.25	37.112574	2015-01-01
10	10	41.00	37.112574	2015-01-01
11	11	73.50	37.112574	2015-01-01
12	12	70.75	37.112574	2015-01-01
13	13	20.25	37.112574	2015-01-01
14	14	12.00	37.112574	2015-01-01
15	15	63.25	37.112574	2015-01-01
16	16	50.70	37.112574	2015-01-01
17	17	168.50	37.112574	2015-01-01
18	18	20.50	37.112574	2015-01-01
19	19	40.75	37.112574	2015-01-01
20	20	30.50	37.112574	2015-01-01

ZADANIE 5

```sql
with temp_table as (
SELECT od.order_id, o.date, o.time
FROM order_details od
join orders o on o.order_id=od.order_id
WHERE date like '2015-01-01'
GROUP BY od.order_id,o.date,o.time
)

SELECT COUNT(order_id) order_count, date, DATEPART(hh, time) as hour
FROM temp_table
GROUP BY date,DATEPART(hh, time)
ORDER BY hour
```

	order_count	date	hour
1	2	2015-01-01	11
2	7	2015-01-01	12
3	10	2015-01-01	13
4	7	2015-01-01	14
5	7	2015-01-01	15
6	4	2015-01-01	16
7	8	2015-01-01	17
8	8	2015-01-01	18
9	6	2015-01-01	19
10	5	2015-01-01	20
11	2	2015-01-01	21
12	3	2015-01-01	22

ZADANIE 6

```sql
with temp_table as(
select od.quantity ,pt.pizza_type_id,pt.name,pt.category,o.date
from order_details od
join pizzas p on p.pizza_id=od.pizza_id
join pizza_types pt on pt.pizza_type_id=p.pizza_type_id
join orders o on o.order_id=od.order_id
WHERE o.date like '%2015-01-%'
)

SELECT sum(quantity) as number_of_sold,name,category
FROM temp_table
GROUP BY name,category
```

Results | Messages

	number_of_sold	name	category
1	190	The Classic Deluxe Pizza	Classic
2	86	The Chicken Alfredo Pizza	Chicken
3	131	The Pepper Salami Pizza	Supreme
4	77	The Spinach Pesto Pizza	Veggie
5	153	The Spicy Italian Pizza	Supreme
6	191	The Sicilian Pizza	Supreme
7	126	The Italian Capocollo Piz...	Classic
8	67	The Calabrese Pizza	Supreme
9	239	The Pepperoni Pizza	Classic
10	159	The Four Cheese Pizza	Veggie
11	211	The Barbecue Chicken ...	Chicken
12	129	The Greek Pizza	Classic
13	199	The Thai Chicken Pizza	Chicken
14	138	The Southwest Chicken ...	Chicken
15	202	The California Chicken P...	Chicken
16	87	The Spinach Supreme P...	Supreme
17	126	The Spinach and Feta Pi...	Veggie
18	102	The Pepperoni, Mushroo...	Classic
19	143	The Vegetables + Veget...	Veggie
20	35	The Brie Carre Pizza	Supreme
21	150	The Big Meat Pizza	Classic

ZADANIE 7

```sql
CREATE VIEW temp_table AS
SELECT p.size,MONTH(date) as month
FROM  order_details od
JOIN pizzas p on p.pizza_id=od.pizza_id
JOIN pizza_types pt on pt.pizza_type_id =p.pizza_type_id
JOIN orders o on o.order_id=od.order_id
WHERE o.date like '%2015-02-%' or o.date like '%2015-03-%'


SELECT size, count(size) count
FROM temp_table
GROUP BY size
```

	size	count
1	S	2392
2	L	3120
3	XL	79
4	XXL	6
5	M	2481

```sql
SELECT size, count(size) count, month
FROM temp_table
GROUP BY size,month
ORDER BY size
```

🔲 Results 📋 Messages

	size	count	month
1	L	1622	3
2	L	1498	2
3	M	1185	2
4	M	1296	3
5	S	1224	3
6	S	1168	2
7	XL	41	3
8	XL	38	2
9	XXL	3	2
10	XXL	3	3