

--Zadanie 1

```
with zad1 as (  
    SELECT od.[order_details_id]  
        ,od.[order_id]  
        ,od.[pizza_id]  
        ,od.[quantity]  
        ,p.price * od.quantity summarized_amount  
        ,o.date AS order_date  
  
    FROM [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'  
)  
  
SELECT avg(summarized_amount), order_date  
FROM zad1  
GROUP BY order_date
```

.00 %

Results Messages

	(No column name)	order_date
1	16.517812	2015-02-18

--Zadanie 2

```
with zad2 as(
SELECT od.[order_id]
      ,o.date
      ,string_agg(pt.ingredients, ', ') ingredients
FROM [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 pt ON p.pizza_type_id = pt.pizza_type_id
group by o.date, od.order_id)

select order_id from zad2
WHERE date LIKE '2015-03-%' AND ingredients NOT LIKE '%Pineapple%'
```

91 %

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

--Zadanie 3

```
with zad3 as (  
  SELECT od.[order_id]  
        ,sum(p.price * od.quantity) as total_price  
  FROM [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 LIKE '%-02-%'  
  group by od.order_id  
)  
  
  select top(10) rank () over (  
    order by total_price desc) as top_total  
  ,order_id  
  ,total_price  
  from zad3
```

100 %

Results Messages

	top_total	order_id	total_price
1	1	2675	254.50
2	2	2075	249.80
3	3	2126	238.00
4	3	3187	238.00
5	5	2612	237.50
6	6	3292	233.70
7	7	3473	230.25
8	8	2725	226.25
9	9	2000	223.70
10	10	1957	218.50

--Zadanie 4

```
with zad4 as (  
    SELECT od.[order_id]  
        ,sum(p.price * od.quantity) order_amount  
        ,month(o.date) month_date  
        ,o.date  
    FROM [dbo].[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_month_price as(  
    SELECT Avg(order_amount) average_month_amount,  
        month_date  
    FROM zad4  
    GROUP BY month_date)  
SELECT z.order_id  
    ,z.order_amount  
    ,p.average_month_amount  
    ,z.date  
    from zad4 z  
JOIN average_month_price p ON p.month_date = z.month_date
```

100 %

Results Messages

	order_id	order_amount	average_month_amount	date
1	2917	40.50	38.670385	2015-02-18
2	5834	33.00	38.208337	2015-04-08
3	11407	45.25	37.497622	2015-07-10
4	14324	66.75	37.087588	2015-08-27
5	19897	71.50	38.512589	2015-12-04
6	1566	40.50	37.828346	2015-01-27
7	7185	20.25	38.533594	2015-05-01
8	10056	12.00	38.482910	2015-06-18
9	15675	28.00	38.639403	2015-09-19
10	18546	10.50	39.283119	2015-11-12
11	46	58.00	37.828346	2015-01-01

--Zadanie 5

```
with zad5 as (  
  SELECT od.order_id  
         ,o.date  
         ,DATEPART(HOUR,o.time) as order_hour  
  FROM [dbo].[order_details] od  
  JOIN orders o ON o.order_id = od.order_id  
  WHERE o.date = '2015-01-01'  
  group by od.order_id,o.time,o.date  
)  
SELECT count(order_id) as order_count, date, order_hour as order_count  
FROM zad5 group by order_hour, date
```

10 %

Results Messages

	order_count	date	order_count
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

--Zadanie 6

```
with zad6 as(
SELECT pt.name, pt.category, sum(od.quantity) as pizza_count
FROM [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 pt ON p.pizza_type_id = pt.pizza_type_id
WHERE date LIKE '2015-01-%'
group by pt.name, pt.category)

select * from zad6
```

110 %

Results Messages

	name	category	pizza_count
1	The Classic Deluxe Pizza	Classic	190
2	The Chicken Alfredo Pizza	Chicken	86
3	The Pepper Salami Pizza	Supreme	131
4	The Spinach Pesto Pizza	Veggie	77
5	The Spicy Italian Pizza	Supreme	153
6	The Sicilian Pizza	Supreme	191
7	The Italian Capocollo Pizza	Classic	126
8	The Calabrese Pizza	Supreme	67
9	The Pepperoni Pizza	Classic	239
10	The Four Cheese Pizza	Veggie	159

--Zadanie 7

```
with zad7 as(
SELECT p.size, count(p.size) as pizza_count
FROM [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 pt ON p.pizza_type_id = pt.pizza_type_id
WHERE date LIKE '2015-02-%' or date LIKE '2015-03-%'
group by p.size)

select * from zad7
```

110 %

Results Messages

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