```
□with cte as (
SELECT
    sum([SalesAmount]) as amount,
    [OrderDate] as d
FROM [AdventureWorksDW2019].[dbo].[FactInternetSales]
    group by [OrderDate])

select
    amount,
    avg(amount) over (order by d
    rows between 3 preceding and current row)
    ,d as OrderDate
    from cte
    order by d
```

## 100 % ▼ ■ Results ■ Messages

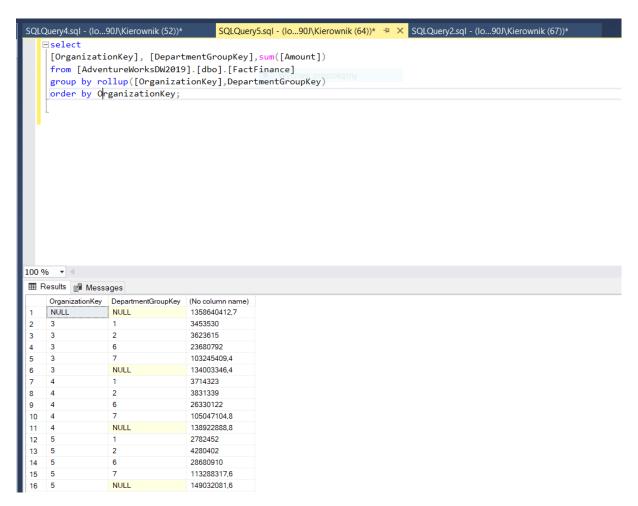
	amount	(No column name)	OrderDate
1	14477,3382	14477,3382	2010-12-29 00:00:00.000
2	13931,52	14204,4291	2010-12-30 00:00:00.000
3	15012,1782	14473,6788	2010-12-31 00:00:00.000
4	7156,54	12644,3941	2011-01-01 00:00:00.000
5	15012,1782	12778,1041	2011-01-02 00:00:00.000
6	14313,08	12873,4941	2011-01-03 00:00:00.000
7	7855,6382	11084,3591	2011-01-04 00:00:00.000
8	7855,6382	11259,1336	2011-01-05 00:00:00.000
9	20909,78	12733,5341	2011-01-06 00:00:00.000
10	10556,53	11794,3966	2011-01-07 00:00:00.000
11	14313,08	13408,757	2011-01-08 00:00:00.000
12	14134,80	14978,5475	2011-01-09 00:00:00.000
13	7156,54	11540,2375	2011-01-10 00:00:00.000
14	25047,89	15163,0775	2011-01-11 00:00:00.000
15	11230,6282	14392,4645	2011-01-12 00:00:00.000
16	14313,08	14437,0345	2011-01-13 00:00:00.000
17	14134,80	16181,5995	2011-01-14 00:00:00.000

```
SQLQuery4.sql - (lo...90J\Kierownik (52))* SQLQuery3.sql - (lo...90J\Kierownik (60))* □ X SQLQuery2.sql - (lo...90J\Kierownik (67))*
   □SELECT *
     FROM
       SELECT
       [SalesTerritoryKey],
       {\tt MONTH([OrderDate])} \ \ {\tt as} \ \ {\tt order\_month},
       sum([SalesAmount]) as SalesAmount
       FROM [AdventureWorksDW2019].[dbo].[FactInternetSales]
       where YEAR([OrderDate]) = 2011
       group by
       MONTH([OrderDate]),[SalesTerritoryKey]
     ) AS SourceTable
     PIVOT
       SUM([SalesAmount])
       FOR [SalesTerritoryKey] IN ([1], [2], [3], [4] , [5] , [6] , [7] , [8] , [9] , [10] )
    ) AS PivotTable;
100 % 🔻 🖪
order_month 1
                                 3
                                                   5
                                                         6
                                                                               8
                                                                                          9
                                                                                                     10
             55186,5046 NULL NULL 65628,7764 NULL 21965,4382 43930,8764 39182,69
                                                                                         207130,2928 36799,3364
                43955,8764
                           NULL NULL 90320,1064
                                                   NULL 25340,4282
                                                                    11052,3482 37180,8964 204151,121
                                                                     36977,6164 22168,7182 177393,5028 66467,1328
                50235.0382 NULL NULL 114065.301
                                                   NULL 17891,35
3
     3
                                                   NULL 11929,7264
                58968,0546 NULL NULL 113837,021
                                                                    10734,81 40174,3264 214593,3928 51836,5146
5
                80819,2346
                           NULL NULL 122638,7946 NULL 29846,0764
                                                                    40377,6064 43396,0364 217636,8228 26966,9046
                                                                    34098,4446 55682,3228 267232,2856 54487,4064
                122638,7946 NULL NULL 167422,0492 NULL 36278,5182
6
     6
                97393,8674 NULL NULL 112210,5446 NULL 50413,3182 33246,0664 9075,5546 223109,1074 71298,0982
     7
8
     8
                59959,691
                            NULL NULL 63220,4228 NULL 164714,6782 33895,1646 51290,6964 190022,3274 51454,9546
                           NULL NULL 154417,9074 NULL 32001,15
                67070,73
                                                                    38490,071 61123,1282 218157,641 31822,87
                86716,8364 NULL NULL 192094,622 NULL 71362,12
84194,2246 NULL NULL 173052,3492 NULL 43256,7782
                                                                     40759,1664 53869,7874 228029,331
     10
                                                                                                     35376.14
 10
                                                                    55364,7846 52332,3328 215724,2874 36621,0564
11
     11
    12
                119917,9089 NULL NULL 162320,5167 NULL 66572,2164 31918,371 55023,6746 200552,1373 33126,6782
 12

    Query executed successfully.

                                                                                                            (local) (15.0 RTM
```

Zad 3



Zad 4

```
overare. A sylvania - (10....am/vietomilik (25))... 🙀 🗸 sylrane. A sylrania - (10...am/vietomilik (25))...
             ⊟with cte as (
                   select
                   [OrganizationKey],
                   sum([Amount]) as Amount
                   from [AdventureWorksDW2019].[dbo].[FactFinance]
                   where year([Date]) = 2012
                   group by [OrganizationKey]
                   select distinct do.[OrganizationKey], do.[OrganizationName], cte.Amount as TotalAmount,
                   PERCENT_RANK() over (order by Amount) as percentile
                   from cte
                   join \ [AdventureWorksDW2019]. [dbo]. [DimOrganization] \ do \ on \ do. OrganizationKey = cte. OrganizationKey \ and \ an instantial organization 
                  order by [OrganizationKey]
100 % ▼ ◀
   OrganizationKey OrganizationName TotalAmount
                                                                                                                                                                  percentile
                                                                                                                                                     0,625

        Northeast Division
        57591781,4

        Northwest Division
        38434641,2

        Central Division
        52938481,4

                                                                                                                                                                  0,375
                                                                                                                                                   0,5
    3
                                                             Southeast Division 92428276,6
                                                                                                                                                                  0,875
                   6
                                                             Southwest Division 87276465,2
    5
                                                                                                                                                                  0,75
                                                             Canadian Division 107976739,14
                                                                                          21786845,65
    7
                   11
                                                              France
                                                                                                                                                                   0,25
                                                             Germany 4288252,409
Australia 1392505,88
                                                                                                               4288252.40999999 0.125
    8
                   12
                  13
                                                                                                                                                                 0
```

Zad 6

```
zad5.sql - (local).A...F90J\Kierownik (53))* 😕 × SQLQuery4.sql - (lo...90J\Kierownik (52))*
                                                                                         SQLQuery2.sql - (Io...90J\Kierownik (67))*
    ∃with cte as (
     select
     [OrganizationKey],
      sum([Amount]) as Amount
     from [AdventureWorksDW2019].[dbo].[FactFinance]
     where year([Date]) = 2012
     group by [OrganizationKey]
     select distinct do.[OrganizationKey], do.[OrganizationName], cte.Amount as TotalAmount,
     {\tt PERCENT\_RANK()} \ \ {\tt over} \ \ ({\tt order} \ \ {\tt by} \ \ {\tt Amount}) \ \ {\tt as} \ \ {\tt percentile},
     STDEV([Amount]) over (order by [Amount]) as std_dev
     from cte
     join [AdventureWorksDW2019].[dbo].[DimOrganization] do on do.OrganizationKey = cte.OrganizationKey
     order by [OrganizationKey]
100 % ▼ ◀
OrganizationKey OrganizationName TotalAmount
3 Northeast Division 57591781,4
                                                    percentile std_dev
                                                              24097472,5798006
                                                    0.625
    3
2
     4
                   Northwest Division 38434641,2
                                                    0.375
                                                              17189531.6038978
3
                    Central Division
                                    52938481,4
                                                    0,5
                                                              22079830,3035514
                                                              34635783,8868116
4
                   Southeast Division 92428276,6
                                                    0,875
                                                    0.75
5
                   Southwest Division 87276465,2
                                                              31021664 8937598
     7
6
     8
                   Canadian Division 107976739,14
                                                              38692899.4026427
```

11034153,1014632

2047602,00796041

NULL

21786845,65

1392505,88

4288252,40999999 0,125

0,25

0

France

Germany

Australia

7 11

8 12

9 13