

Zadanie 1:

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the database structure for 'DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)'. The 'Databases' folder is expanded, showing 'System Databases', 'Database Snapshots', and 'AdvancedDatabaseSystemsJakubKlimczak'. Under 'Tables', various system tables like 'dbo.Categories', 'dbo.CustomerCustomerDemo', etc., are listed. The 'Views' folder is also expanded, showing a long list of system views including 'dbo.Alphabetical list of products', 'dbo.Category Sales for 1997', etc.

The main pane shows a SQL query in the 'SQLQuery7.sql' window. The query is as follows:

```
create view liczba_osob_z_1985_per_kwartal as
select
    datepart(quarter, data_urodzenia) as kwartal,
    count(*) as liczba_osob
from studenci
where
    data_urodzenia is not null
    and year(data_urodzenia) = 1985
group by datepart(quarter, data_urodzenia);
```

A small dialog box titled '*Bez t...' is open, showing a text input field with the name 'Jakub Klimczak' and a 'Pomoc' button. The dialog also shows a 'Windows (CRLF, UTF-8)' encoding option.

The bottom pane shows the 'Messages' window, which displays the following text:

```
Commands completed successfully.
Completion time: 2025-04-15T22:26:49.0354558+02:00
```

The screenshot displays the SQL Server Enterprise Manager interface on the left and the SQL Query Editor on the right. The Enterprise Manager shows the 'AdvancedDatabaseSystems' database with various tables and views. The Query Editor shows a SQL query that selects the top 1000 records from the 'liczba_osob' table, filtered by 'kwarta' and 'liczba_osob_z_1985_per_kwartal'. The query results are displayed in a table with two columns: 'kwarta' and 'liczba_osob'. The first two rows are visible, showing values 1 and 2 for 'kwarta' and 1 for 'liczba_osob'.

SQL Query:

```
SELECT TOP (1000) [kwarta]
, [liczba_osob]
FROM [AdvancedDatabaseSystemsJakubKlimczak].[dbo].[liczba_osob_z_1985_per_kwartal]
```

Query Results:

	kwarta	liczba_osob
1	1	1
2	2	1

To trochę za mało danych na sensowny wykres, więc:

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the database structure for 'DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)'. The 'Tables' folder is expanded, showing various tables like 'dbo.Categories', 'dbo.CustomerCustomerDemo', etc. The 'Views' folder is also expanded, showing various views like 'dbo.Alphabetical list of products', 'dbo.Category Sales for 1997', etc. The 'Messages' pane at the bottom shows the execution of a query.

The query being executed is:

```
create view liczba_osob_z_1981_per_kwartal as
select
    datepart(quarter, data_urodzenia) as kwartal,
    count(*) as liczba_osob
from studenci
where
    data_urodzenia is not null
    and year(data_urodzenia) = 1981
group by datepart(quarter, data_urodzenia);
```

The query was executed successfully, as indicated by the message: "Commands completed successfully." The completion time is 2025-04-15T23:08:21.6096494+02:00.

Object Explorer

Connect

DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

Databases

System Databases

Database Snapshots

AdvancedDatabaseSystemsJakubKlimczak

Database Diagrams

Tables

System Tables

FileTables

External Tables

Graph Tables

dbo.Categories

dbo.CustomerCustomerDemo

dbo.CustomerDemographics

dbo.Customers

dbo.Employees

dbo.EmployeeTerritories

dbo.Order Details

dbo.Orders

dbo.Products

dbo.Region

dbo.Shippers

dbo.studenci

dbo.Suppliers

dbo.Territories

Views

System Views

dbo.Alphabetical list of products

dbo.Category Sales for 1997

dbo.Current Product List

dbo.Customer and Suppliers by City

dbo.Invoices

dbo.liczba_osob_per_dzien

dbo.liczba_osob_z_1981_per_kwartal

dbo.liczba_osob_z_1985_per_kwartal

dbo.liczba_sztuk_per_produkt_per_miesiac

dbo.Order Details Extended

dbo.Order Subtotals

dbo.Orders Qty

dbo.pelnoletnie_matki_per_miesiac

dbo.Product Sales for 1997

dbo.Products Above Average Price

dbo.Products by Category

dbo.Quarterly Orders

SQLQuery15.sql - D...CBP34T\kubak (59)

SQLQuery14.sql - D...CBP34T\kubak (78)

SQLQuery13.sql - D...CBP34T\kubak (62)

```
SELECT TOP (1000) [kwartal]
, [liczba_osob]
FROM [AdvancedDatabaseSystemsJakubKlimczak].[dbo].[liczba_osob_z_1981_per_kwartal]
```

*Bez t...

Plik Edycja Format Widok

Pomoc

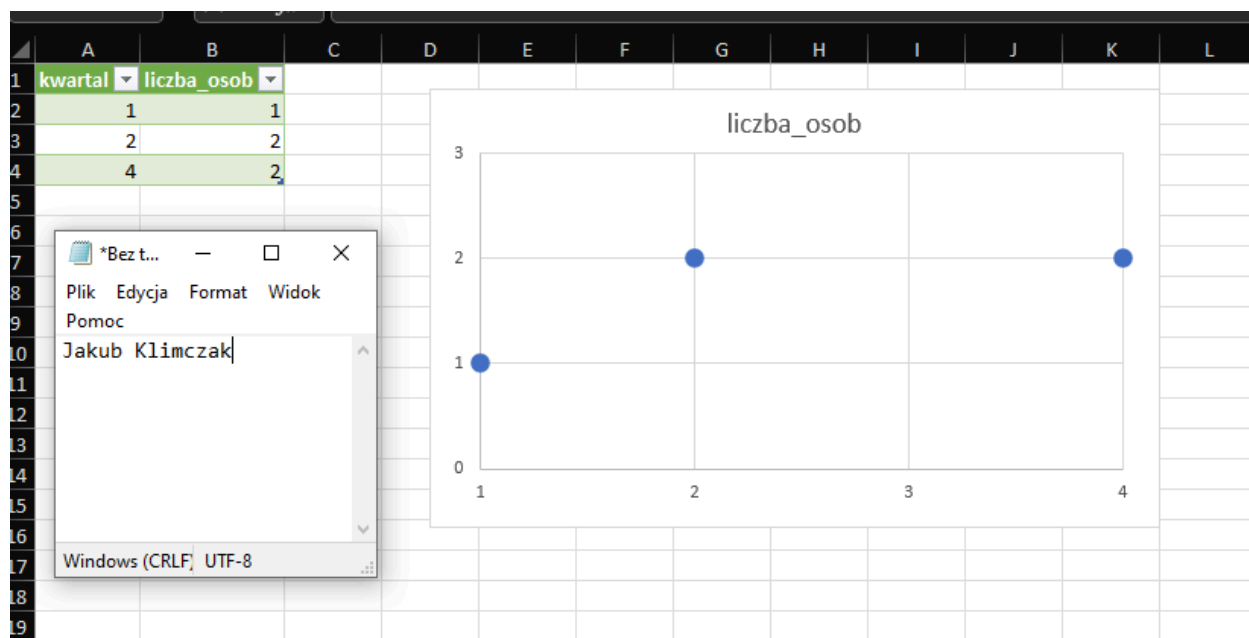
Jakub Klimczak

Windows (CRLF) UTF-8

100 %

Results Messages

	kwartal	liczba_osob
1	1	1
2	2	2
3	4	2



Zadanie 2:

Object Explorer

Connect

DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

- Databases
 - System Databases
 - Database Snapshots
 - AdvancedDatabaseSystemsJakubKlimczak
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.Categories
 - dbo.CustomerCustomerDemo
 - dbo.CustomerDemographics
 - dbo.Customers
 - dbo.Employees
 - dbo.EmployeeTerritories
 - dbo.Order Details
 - dbo.Orders
 - dbo.Products
 - dbo.Region
 - dbo.Shippers
 - dbo.studenci
 - dbo.Suppliers
 - dbo.Territories
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

SQLQuery3.sql - DE...CBP34T\kubak (55))*

```
set language polish;
select
    datename(weekday, data_urodzenia) as dzien_tygodnia,
    count(*) as liczba_osob
from studenci
group by datename(weekday, data_urodzenia)
order by
    datepart(weekday, min(data_urodzenia));

-- alternatywnie:
create view liczba_osob_per_dzien as
select
    format(data_urodzenia, 'dddd', 'pl-PL') as dzien_tygodnia,
    count(*) as liczba_osob
from studenci
where data_urodzenia is not null
group by format(data_urodzenia, 'dddd', 'pl-PL');

-- moznaby tez case'ami jezli nie moze byc takie rozwiazanie
```

*Bez t...

Plik Edycja Format Widok Pomoc

Jakub Klimczak

Windows (CRLF) UTF-8

100 %

Results Messages

	dzien_tygodnia	liczba_osob
1	poniedzialek	3
2	wtorek	6
3	środa	5
4	czwartek	6
5	piątek	2
6	sobota	2
7	niedziela	6

Object Explorer

Connect

DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

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 - dbo.EmployeeTerritories
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 - dbo.Orders
 - dbo.Products
 - dbo.Region
 - dbo.Shippers
 - dbo.studenci
 - dbo.Suppliers
 - dbo.Territories
 - Views
 - System Views
 - dbo.Alphabetical list of products
 - dbo.Category Sales for 1997
 - dbo.Current Product List
 - dbo.Customer and Suppliers by City
 - dbo.Invoices
 - dbo.liczba_osob_per_dzien
 - dbo.Order Details Extended
 - dbo.Order Subtotals
 - dbo.Orders Qry
 - dbo.Product Sales for 1997
 - dbo.Products Above Average Price
 - dbo.Products by Category
 - dbo.Quarterly Orders
 - dbo.Sales by Category
 - dbo.Sales Totals by Amount
 - dbo.Summary of Sales by Quarter
 - dbo.Summary of Sales by Year
 - External Resources
 - Synonyms
 - Programmability
 - Query Store

SQLQuery4.sql - DE...C\BP34T\kubak (58)*

```
SELECT TOP (1000) [dzien_tygodnia]
,[liczba_osob]
FROM [AdvancedDatabaseSystemsJakubKlimczak].[dbo].[liczba_osob_per_dzien]
order by liczba_osob desc;
```

*Bez t... - □ ×

Plik Edycja Format Widok

Pomoc

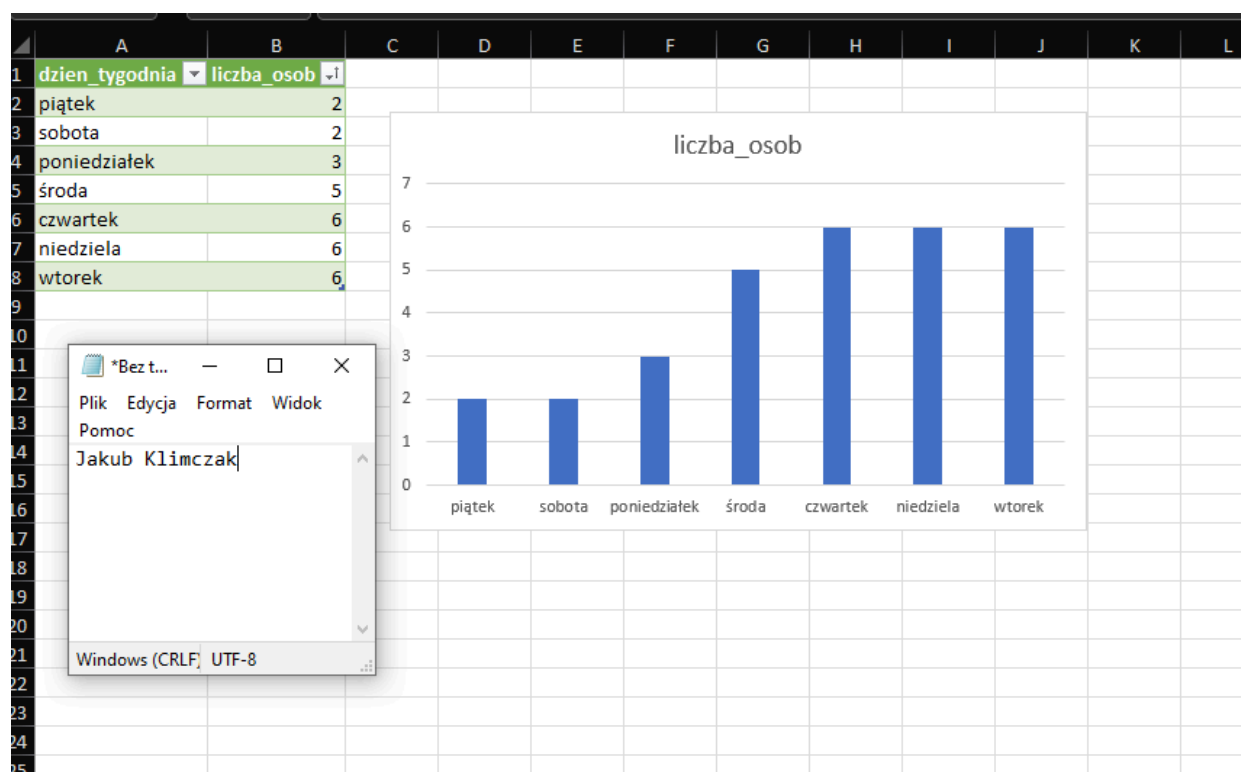
Jakub Klimczak

Windows (CRLF) UTF-8

100 %

Results Messages

	dzien_tygodnia	liczba_osob
1	czwartek	6
2	niedziela	6
3	wtorek	6
4	środa	5
5	poniedziałek	3
6	sobota	2
7	piątek	2



Zadanie 3:

AdvancedDatabaseSystems | Execute | SQLQuery4.sql - DE...CBP34T(kubak (58)) | SQLQuery3.sql - DE...CBP34T(kubak (55)) | SQLQuery2.sql - DE...

Object Explorer | Connect | DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

- Databases
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 - AdvancedDatabaseSystemsJakubKlimczak
 - Database Diagrams
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 - System Tables
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 - External Tables
 - Graph Tables
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 - dbo.CustomerDemographics
 - dbo.Customers
 - dbo.Employees
 - dbo.EmployeeTerritories
 - dbo.Order Details
 - dbo.Orders
 - dbo.Products
 - dbo.Region
 - dbo.Shippers
 - dbo.studenci
 - dbo.Suppliers
 - dbo.Territories
 - Views
 - System Views
 - dbo.Alphabetical list of products
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 - dbo.Current Product List
 - dbo.Customer and Suppliers by City
 - dbo.Invoices
 - dbo.liczba_osob_per_dzien
 - dbo.Order Details Extended
 - dbo.Order Subtotals
 - dbo.Orders Qry
 - dbo.Product Sales for 1997
 - dbo.Products Above Average Price
 - dbo.Products by Category
 - dbo.Quarterly Orders
 - dbo.Sales by Category
 - dbo.Sales Totals by Amount
 - dbo.Summary of Sales by Quarter
 - dbo.Summary of Sales by Year
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

```
select  
    isnull(miasto, 'Nieznane miasto') as miasto,  
    isnull(plec, 'Nieznana plec') as plec,  
    datename(month, data_urodzenia) as miesiac,  
    count(*) as liczba_osob,  
    sum(isnull(liczba_dzieci, 0)) as suma_dzieci  
from studenci  
group by  
    isnull(miasto, 'Nieznane miasto'),  
    isnull(plec, 'Nieznana plec'),  
    datename(month, data_urodzenia)  
order by miasto, plec, miesiac;
```

*Bez t... | Plik | Edycja | Format | Widok | Pomoc | Jakub Klimczak | Windows (CRLF), UTF-8

100 % | Results | Messages

	miasto	plec	miesiac	liczba_osob	suma_dzieci
1	Bytom	K	December	1	2
2	Chorzow	K	May	1	0
3	Chorzow	M	February	1	1
4	Czeladz	K	November	1	0
5	Gliwice	K	April	1	0
6	Katowice	K	December	1	2
7	Katowice	K	January	2	1
8	Katowice	K	March	1	3
9	Katowice	K	October	1	2
10	Katowice	M	April	2	1
11	Katowice	M	August	1	1
12	Katowice	M	February	1	0
13	Katowice	M	January	1	2
14	Katowice	M	July	1	1
15	Katowice	M	May	2	1
16	Krakow	M	February	1	0
17	Ruda ?ska	M	September	1	0
18	Ruda Slaska	M	May	1	0
19	Rybnik	M	September	1	1
20	Sosnowiec	M	October	1	0
21	Warszawa	K	January	1	1
22	Warszawa	M	February	1	0
23	Zabrze	K	May	1	1
24	Zabrze	M	April	1	1
25	Zabrze	M	August	2	0
26	Zabrze	M	January	1	1

Zadanie 4:

The screenshot displays the Microsoft SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the database structure for 'DESKTOP-JCBP34T\SQLEXPRESS'. The 'Databases' folder is expanded, showing 'AdvancedDatabaseSystems\JakubKlimczak'. The 'Tables' folder is also expanded, listing various tables such as 'System Tables', 'FileTables', 'External Tables', 'Graph Tables', 'dbo.Categories', 'dbo.CustomerCustomerDemo', 'dbo.CustomerDemographics', 'dbo.Customers', 'dbo.Employees', 'dbo.EmployeeTerritories', 'dbo.Order Details', 'dbo.Orders', 'dbo.Products', 'dbo.Region', 'dbo.Shippers', 'dbo.studenci', 'dbo.Suppliers', and 'dbo.Territories'. The 'Views' folder is also expanded, listing various views such as 'System Views', 'dbo.Alphabetical list of products', 'dbo.Category Sales for 1997', 'dbo.Current Product List', 'dbo.Customer and Suppliers by City', 'dbo.Invoices', 'dbo.liczba_osob_per_dzien', 'dbo.Order Details Extended', 'dbo.Order Subtotals', 'dbo.Orders Qry', 'dbo.Product Sales for 1997', 'dbo.Products Above Average Price', 'dbo.Products by Category', 'dbo.Quarterly Orders', 'dbo.Sales by Category', 'dbo.Sales Totals by Amount', 'dbo.Summary of Sales by Quarter', and 'dbo.Summary of Sales by Year'. The 'External Resources' folder is also expanded, showing 'Synonyms', 'Programmability', 'Query Store', 'Service Broker', and 'Storage'.

The main window shows a SQL query in the 'SQLQuery5.sql - DE...CBP34T\kubak (53)' tab. The query is as follows:

```
create or alter view pelnoletnie_matki_per_miesiac as
select
    format(data_urodzenia, 'MMM', 'p1-PL') as miesiac_urodzenia,
    count(*) as liczba_matek
from studenci
where plec = 'K' and liczba_dzieci > 0 and dateadd(year, 18, data_urodzenia) <= getdate()
group by datename(month, data_urodzenia), format(data_urodzenia, 'MMM', 'p1-PL');
```

The query is executed successfully, and the Messages pane at the bottom shows the following output:

```
Commands completed successfully.
Completion time: 2025-04-15T22:18:39.3154523+02:00
```

AdvancedDatabaseSystems

Object Explorer

Connect

DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

Databases

- System Databases
- Database Snapshots
- AdvancedDatabaseSystems\JakubKlimczak
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.Categories
 - dbo.CustomerCustomerDemo
 - dbo.CustomerDemographics
 - dbo.Customers
 - dbo.Employees
 - dbo.EmployeeTerritories
 - dbo.Order Details
 - dbo.Orders
 - dbo.Products
 - dbo.Region
 - dbo.Shippers
 - dbo.studenci
 - dbo.Suppliers
 - dbo.Territories
 - Views
 - System Views
 - dbo.Alphabetical list of products
 - dbo.Category Sales for 1997
 - dbo.Current Product List
 - dbo.Customer and Suppliers by City
 - dbo.Invoices
 - dbo.liczba_osob_per_dzien
 - dbo.Order Details Extended
 - dbo.Order Subtotals
 - dbo.Orders Qry
 - dbo.pelnoletnie_matki_per_miesiac
 - dbo.Product Sales for 1997
 - dbo.Products Above Average Price
 - dbo.Products by Category
 - dbo.Quarterly Orders
 - dbo.Sales by Category
 - dbo.Sales Totals by Amount
 - dbo.Summary of Sales by Quarter
 - dbo.Summary of Sales by Year
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage

SQLQuery6.sql - DE...CBP34T\kubak (60))

```

SELECT TOP (1000) [miesiac_urodzenia]
, [liczba_matek]
FROM [AdvancedDatabaseSystems\JakubKlimczak].[dbo].[pelnoletnie_matki_per_miesiac]

```

*Bez t...

Plik Edycja Format Widok

Pomoc

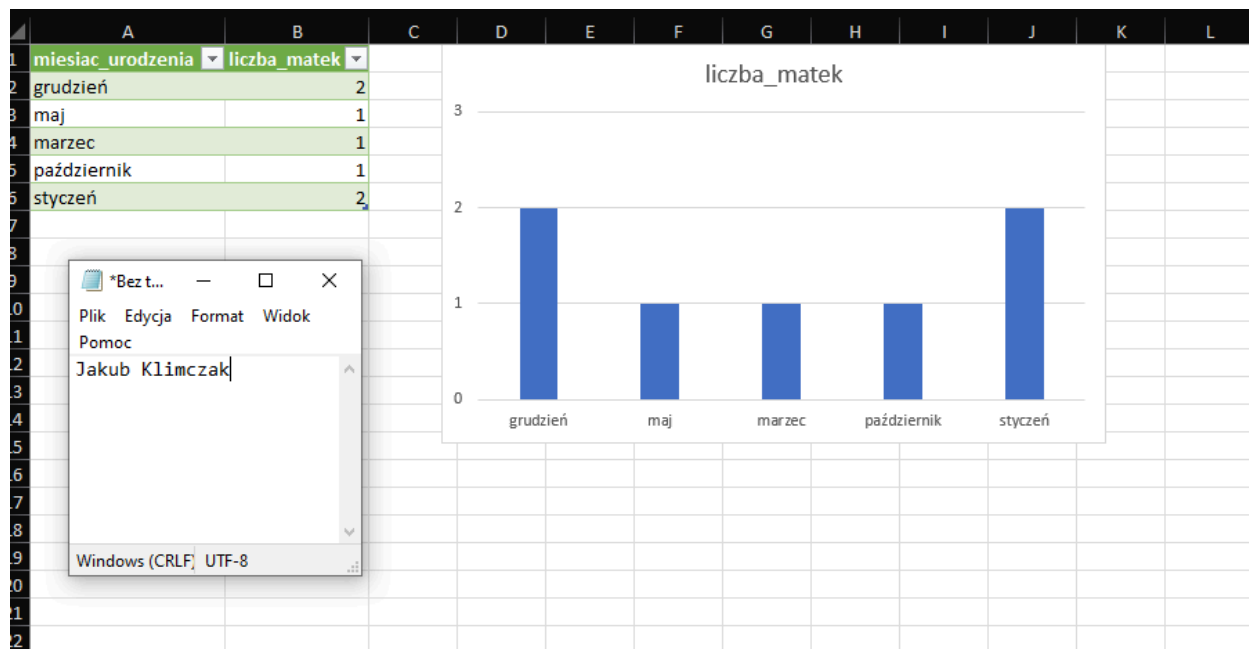
Jakub Klimczak

Windows (CRLF, UTF-8)

100 %

Results Messages

	miesiac_urodzenia	liczba_matek
1	grudzień	2
2	maj	1
3	marzec	1
4	październik	1
5	styczeń	2



Zadanie 5:

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the database structure for 'DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)'. The 'Databases' folder is expanded, showing 'System Databases', 'Database Snapshots', and 'AdvancedDatabaseSystemsJakubKlimczak'. Under 'Tables', various system tables and user tables are listed, including 'dbo.Categories', 'dbo.CustomerCustomerDemo', 'dbo.CustomerDemographics', 'dbo.Customers', 'dbo.Employees', 'dbo.EmployeeTerritories', 'dbo.Order Details', 'dbo.Orders', 'dbo.Products', 'dbo.Region', 'dbo.Shippers', 'dbo.studenci', 'dbo.Suppliers', and 'dbo.Territories'. The 'Views' folder is also expanded, showing a list of system views and user-defined views, such as 'dbo.Alphabetical list of products', 'dbo.Category Sales for 1997', 'dbo.Current Product List', 'dbo.Customer and Suppliers by City', 'dbo.Invoices', 'dbo.liczba_osob_per_dzien', 'dbo.liczba_osob_z_1985_per_kwartal', 'dbo.Order Details Extended', 'dbo.Order Subtotals', 'dbo.Orders Qry', 'dbo.pelnoletnie_matki_per_miesiac', 'dbo.Product Sales for 1997', 'dbo.Products Above Average Price', 'dbo.Products by Category', 'dbo.Quarterly Orders', 'dbo.Sales by Category', 'dbo.Sales Totals by Amount', 'dbo.Summary of Sales by Quarter', and 'dbo.Summary of Sales by Year'.

The main pane shows the SQL Query Editor with the following SQL code:

```
create or alter view wartosc_zamowien_kurier_kategoria as
select
    s.companyname as kurier,
    c.categoryname as kategoria,
    sum(od.unitprice * od.quantity * (1 - od.discount)) as wartosc_zamowien
from orders o
join shippers s on o.shipvia = s.shipperid
join [order details] od on o.orderid = od.orderid
join products p on od.productid = p.productid
join categories c on p.categoryid = c.categoryid
group by s.companyname, c.categoryname;
```

A small window titled '*Bez t...' is open, showing a menu with options: 'Plik', 'Edycja', 'Format', 'Widok', 'Pomoc', and 'Jakub Klimczak'. The window also displays 'Windows (CRLF) UTF-8'.

The Messages pane at the bottom shows the following text:

```
100 %
Messages
Commands completed successfully.

Completion time: 2025-04-15T22:31:56.5639356+02:00
```

Object Explorer

Connect

DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

Databases

- System Databases
- Database Snapshots
- AdvancedDatabaseSystemsJakubKlimczak
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - External Tables
 - Graph Tables
 - dbo.Categories
 - dbo.CustomerCustomerDemo
 - dbo.CustomerDemographics
 - dbo.Customers
 - dbo.Employees
 - dbo.EmployeeTerritories
 - dbo.Order Details
 - dbo.Orders
 - dbo.Products
 - dbo.Region
 - dbo.Shippers
 - dbo.studenci
 - dbo.Suppliers
 - dbo.Territories
 - Views
 - System Views
 - dbo.Alphabetical list of products
 - dbo.Category Sales for 1997
 - dbo.Current Product List
 - dbo.Customer and Suppliers by City
 - dbo.Invoices
 - dbo.liczba_osob_per_dzien
 - dbo.liczba_osob_z_1985_per_kwartal
 - dbo.Order Details Extended
 - dbo.Order Subtotals
 - dbo.Orders Qty
 - dbo.pelnoletnie_matki_per_miesiac
 - dbo.Product Sales for 1997
 - dbo.Products Above Average Price
 - dbo.Products by Category
 - dbo.Quarterly Orders
 - dbo.Sales by Category
 - dbo.Sales Totals by Amount
 - dbo.Summary of Sales by Quarter
 - dbo.Summary of Sales by Year
 - dbo.wartosc_zamowien_kurier_kategoria
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
- Security
- Server Objects
- Replication
- Management
- XEvent Profiler

SQLQuery11.sql - D:\...CBP34T\kubak (69)

SQLQuery9.sql - DE...CBP34T\kubak (56)*

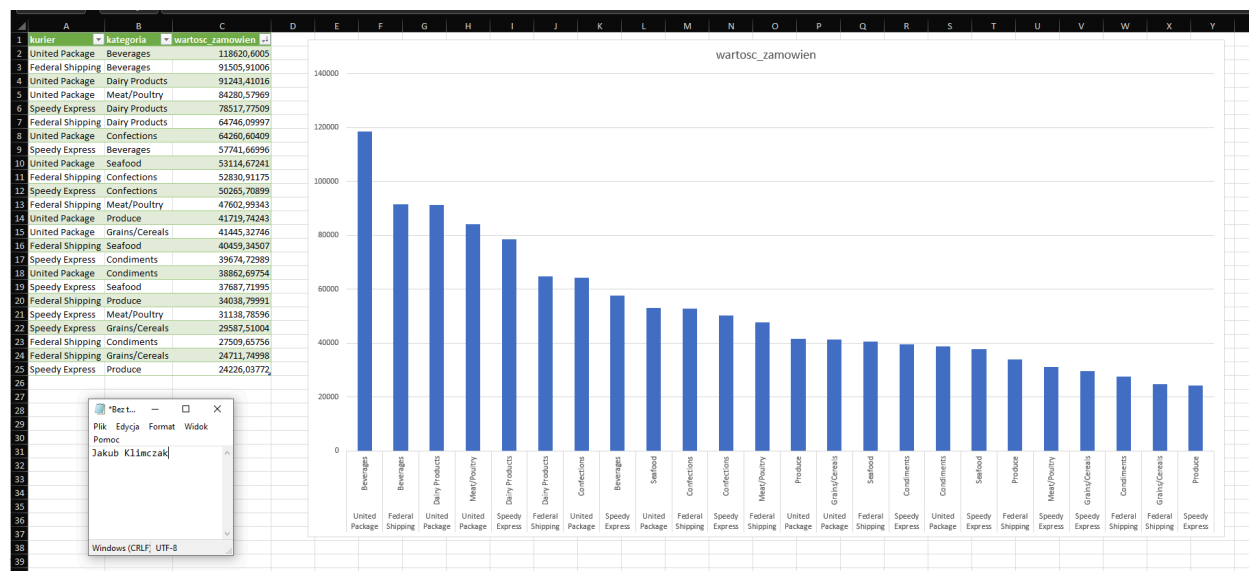
SQLQuery8.sql - DE...CB

```
SELECT TOP (1000) [kurier]
,[kategoria]
,[wartosc_zamowien]
FROM [AdvancedDatabaseSystemsJakubKlimczak].[dbo].[wartosc_zamowien_kurier_kategoria]
```

100 %

Results Messages

	kurier	kategoria	wartosc_zamowien
1	United Package	Seafood	53114,6724119186
2	United Package	Dairy Products	91243,41015625
3	Speedy Express	Produce	24226,0377235413
4	Federal Shipping	Confections	52830,9117507935
5	Speedy Express	Grains/Cereals	29587,5100364685
6	Speedy Express	Beverages	57741,6699581146
7	Speedy Express	Confections	50265,7089948654
8	United Package	Meat/Poultry	84280,5796947479
9	Federal Shipping	Condiments	27509,6575603485
10	Speedy Express	Dairy Products	78517,7750930786
11	Speedy Express	Condiments	39674,7298908234
12	Federal Shipping	Produce	34038,799911499
13	Speedy Express	Meat/Poultry	31138,7859649658
14	United Package	Produce	41719,742433548
15	Federal Shipping	Beverages	91505,9100570679
16	Federal Shipping	Meat/Poultry	47602,993429184
17	Federal Shipping	Seafood	40459,3450651169
18	United Package	Beverages	118620,600507736
19	Federal Shipping	Dairy Products	64746,0999679565
20	Speedy Express	Seafood	37687,7199478149
21	United Package	Grains/Cereals	41445,327457428
22	Federal Shipping	Grains/Cereals	24711,7499809265
23	United Package	Confections	64260,6040859222
24	United Package	Condiments	38862,6975383759



Zadanie 6:

AdvancedDatabaseSystems | Execute | SQLQuery12.sql - D...CBP34T\kubak (54) | SQLQuery11.sql - D...CBP34T\kubak (69) | SQLQuery9.sql - DE...CBP34T

Object Explorer

Connect | DESKTOP-JCBP34T\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-JCBP34T)

Databases

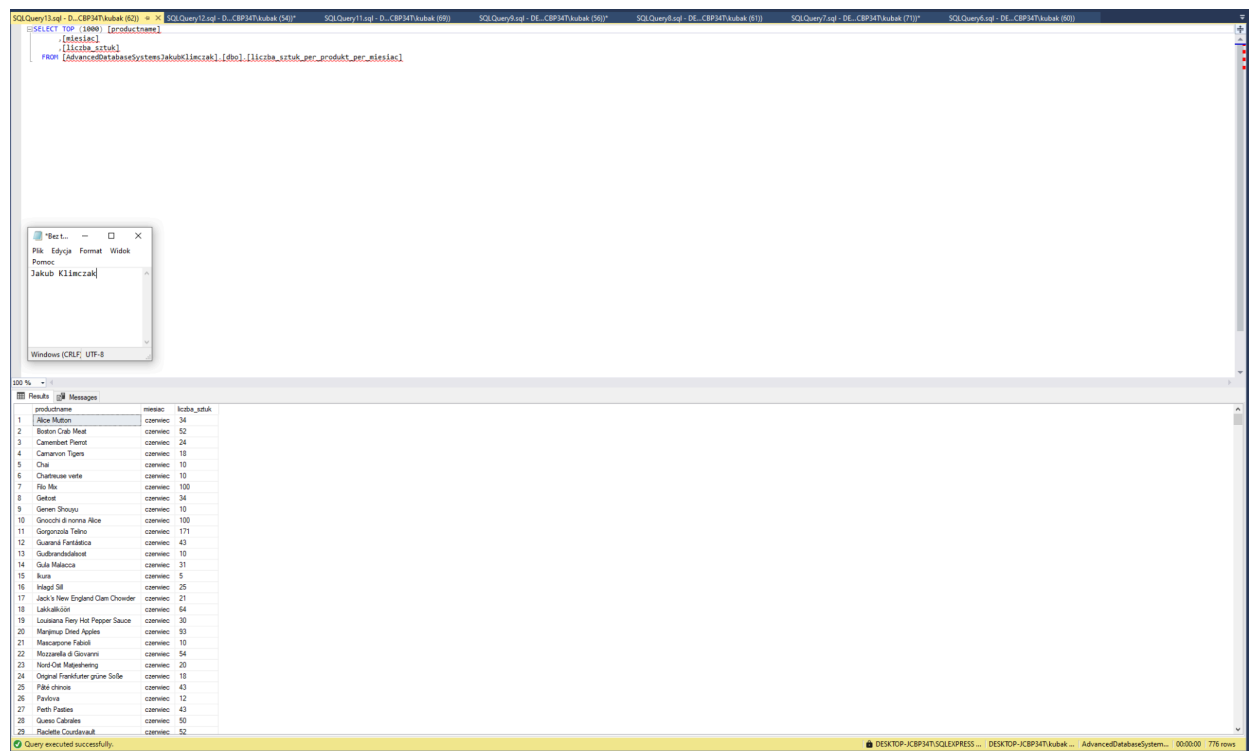
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 - dbo.Order Details
 - dbo.Orders
 - dbo.Products
 - dbo.Region
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 - dbo.studenci
 - dbo.Suppliers
 - dbo.Territories
 - Views
 - System Views
 - dbo.Alphabetical list of products
 - dbo.Category Sales for 1997
 - dbo.Current Product List
 - dbo.Customer and Suppliers by City
 - dbo.Invoices
 - dbo.liczba_osob_per_dzien
 - dbo.liczba_osob_z_1985_per_kwartal
 - dbo.Order Details Extended
 - dbo.Order Subtotals
 - dbo.Orders Qry
 - dbo.pelnoletnie_matki_per_miesiac
 - dbo.Product Sales for 1997
 - dbo.Products Above Average Price
 - dbo.Products by Category
 - dbo.Quarterly Orders
 - dbo.Sales by Category
 - dbo.Sales Totals by Amount
 - dbo.Summary of Sales by Quarter
 - dbo.Summary of Sales by Year
 - dbo.wartosc_zamowien_kurier_kategoria
 - External Resources
 - Synonyms
 - Programmability
 - Query Store
 - Service Broker
 - Storage
 - Security
- Server Objects
- Replication

SQLQuery12.sql - D...CBP34T\kubak (54)

```
create view liczba_sztuk_per_produkt_per_miesiac as
select
    p.productname,
    format(o.orderdate, 'MMMM', 'pl-PL') as miesiac,
    sum(od.quantity) as liczba_sztuk
from [order details] od
join orders o on od.orderid = o.orderid
join products p on od.productid = p.productid
group by p.productname, format(o.orderdate, 'MMMM', 'pl-PL');
```

*Bez t... | Plik | Edycja | Format | Widok | Pomoc | Jakub Klimczak | Windows (CRLF) UTF-8

100 % | Messages | Commands completed successfully. | Completion time: 2025-04-15T22:43:04.4800837+02:00



Przykład odfiltrowanego wykresu:

