

PHASE 3

names	id	emails	Group
Hassan Ragab	20190177	hassanragab776@gmail.com	5
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Zainab medhat	20170454		2
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Shammakh salah	20190793		6

mdx :

get all comments done in 2008 or 2022:

The screenshot shows the SQL Server Enterprise Developer interface. The left pane displays the 'Star Shema Stack Over Flow' cube structure, including dimensions like Date, Subject, User Location, and Users. The right pane contains the following MDX query:

```
-----union-----  
select  
  {[Measures].[Posts Count] , [Measures].[Comments Count]}on columns,  
  union(  
    [Date Dimension].[Hierarchy].[Year].&[2008].children,  
    [Date Dimension].[Hierarchy].[Year].&[2022].children) on rows  
from [Star Shema Stack Over Flow]
```

The 'Results' tab at the bottom shows a table with two columns: 'Posts Count' and 'Comments Count'. The data is as follows:

	Posts Count	Comments Count
10	(null)	(null)
11	(null)	(null)
12	(null)	(null)
8	5	2900
9	(null)	(null)
1	24	62
2	15	29
3	780	4051

A status bar at the bottom indicates 'Query executed successfully.' and 'DESKTOP-HQF568B DESKTOP-HQF568B\Alaa-s... Phase3 00:00:01'.

Get posts count in Canada location :

The screenshot shows the SQL Server Enterprise Developer interface. The left pane displays the 'Star Shema Stack Over Flow' cube structure. The right pane contains the following MDX query:

```
-----Descendants-----  
SELECT Descendants  
  ([User Location Dimension].[Hierarchy].[Location].&[Canada],  
   [User Location Dimension].[Hierarchy].[Location],self)  
ON COLUMNS,  
  [Measures].[Posts Count] ON ROWS  
from [Star Shema Stack Over Flow]
```

The 'Results' tab at the bottom shows a table with two columns: 'Posts Count' and 'Canada'. The data is as follows:

	Posts Count	Canada
		3

A status bar at the bottom indicates 'Query executed successfully.' and 'DESKTOP-HQF568B DESKTOP-HQF568B\Alaa-s... Phase3 00:00:01'.

get posts count ,coments count for subject in 2022

The screenshot shows the SQL Server Enterprise Developer interface. The query editor contains the following SQL code:

```
--members-----
select
{[Measures].[Posts Count] , [Measures].[Comments Count]} on columns,
{ [Subject Dimension].[Hierarchy].[Subject].members}on rows
from [Star Shema Stack Over Flow]
where ([Date Dimension].[Year].&[2022])
```

The Results pane shows the following data:

	Posts Count	Comments Count
<Haccess>	730	3906
<Haccess><apache2><no-www>	(null)	(null)
<Haccess><deployment><scp><shared-hosting>	(null)	(null)
<Haccess><http><mod-rewrite><https>	(null)	(null)
<Haccess><http-referer><referer>	(null)	(null)
<Haccess><ionic3><put><woocommerce-rest-api>	(null)	(null)
<Haccess><likespeed>	(null)	(null)
<Haccess><mod-rewrite>	(null)	(null)

Get counter for comments and posts in all years done except 2021

The screenshot shows the SQL Server Enterprise Developer interface. The query editor contains the following SQL code:

```
--except query-----
select
{[Measures].[Posts Count],[Measures].[Comments Count]}on columns ,
except([Date Dimension].[Year].[All].children, [Date Dimension].[Year].&[2021])on rows
from [Star Shema Stack Over Flow]
```

The Results pane shows the following data:

	Posts Count	Comments Count
2008	0	2900
2009	(null)	(null)
2010	(null)	(null)
2011	(null)	(null)
2012	(null)	(null)
2013	(null)	(null)
2014	3	3
2015	(null)	(null)
2016	(null)	(null)
2017	8	8
2018	(null)	(null)
2019	16	16
2020	10	10
2022	819	4142

Get combination between years and months for (posts and comments) measures

The screenshot shows the SQL Server Data Tools (SSDT) interface. The main window displays a query for a star schema stack over flow. The query is as follows:

```
---crossJoin-----
select
{[Measures].[Posts Count],[Measures].[Comments Count]}on columns ,
(crossjoin([Date Dimension].[Hierarchy].[Year].members,
[Date Dimension].[Month].children )) on rows
from [Star Shema Stack Over Flow]
```

The left pane shows the cube structure for 'Star Shema Stack Over Flow'. The dimensions are:

- Measures
- KPIs
- Date Dimension
 - Day
 - Last Access Date
 - Month
 - Year
- Members
 - Year
 - Member Properties
 - 2008
 - 2009
 - 2010
 - 2011
 - 2012
 - 2013
 - 2014
 - 2015
 - 2016
 - 2017
 - 2018
 - 2019
 - 2020
 - 2021
 - 2022
- Hierarchy
- Subject Dimension
- User Location Dimension
- Users Dimension

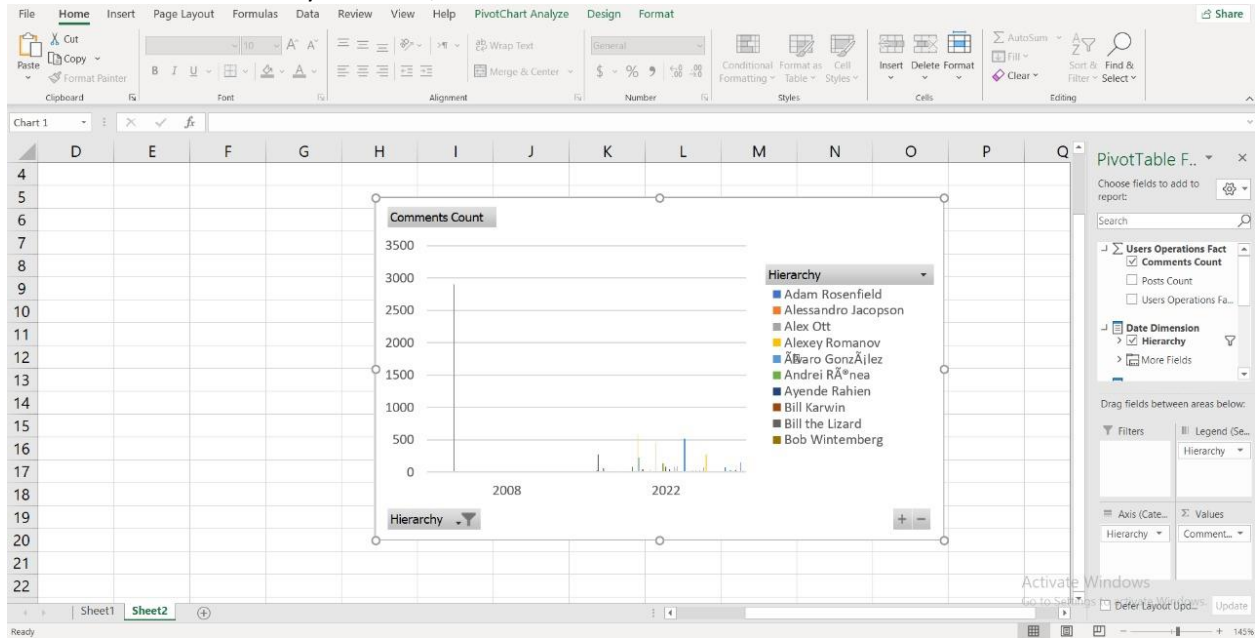
The bottom pane shows the query results in a table with columns: Posts Count, Comments Count. The results are as follows:

Year	Month	Posts Count	Comments Count
2020	9	10	10
2021	1	1	4
2021	10	(null)	(null)
2021	11	(null)	(null)
2021	12	8	35
2021	2	2	8
2021	3	(null)	(null)
2021	4	(null)	(null)
2021	5	(null)	(null)
2021	6	(null)	(null)
2021	7	6	19
2021	8	3	3
2021	9	12	24
2022	1	24	62
2022	2	15	29
2022	3	780	4051

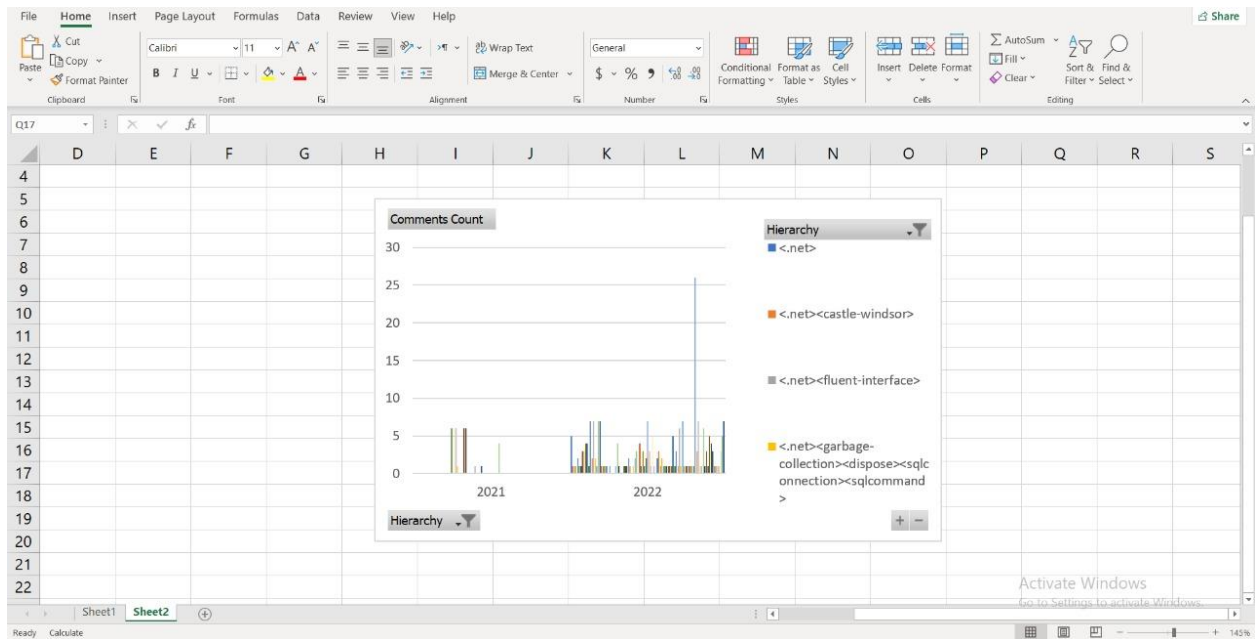
The status bar at the bottom indicates 'Query executed successfully.' and 'DESKTOP-HQF568B'.

Chart:

Show comments for the year 2022 , 2008 to users name



Show comments for the year 2022 , 2021 to tags



Report:

show counter coments for locations done in all years

Comments Count	2014	2017	2019	2020	2021	2022	Grand Total
127.0.0.1						6	6
Alexandria, VA, USA						88	88
Auckland, New Zealand					4		4
Austin, TX					2		2
Baton Rouge, LA					6		6
Beaumont, TX					4		4
Bern, Switzerland					515		515
Bremen					5		5
Bucharest, Romania					19		19
California					24		24
Cambridge, United Kingdom					3		3
Canada					3		3
Charlotte, NC					273		273
Chelmsford, MA, United States					1		1
Chicago, IL					12		12
Choctaw, OK					63		63
Christchurch, New Zealand					585		585
Colorado, USA					87		87
Columbus, OH, United States					2		2
Consett, United Kingdom					5		5
Cork, Ireland					4		4
Courtice, ON, Canada					6		6
Dallas, TX, USA					1		1
Denver, CO, USA					48		48
Downtown Burbank					19		19
Edinburgh, Scotland					34		34
Edinburgh, Scotland					0		0

Bonus using tableau:

Show post and comments for some years

