

# Power BI Project

1 .Create a Pie chart which will display every salesman has how many customers.(button slicer, legends, title, slice colour, background colour extra)(group by)

Screenshot of Microsoft Power BI Data Editor showing the creation of a grouped query.

The interface includes:

- File** ribbon tab.
- Home**, **Transform**, **Add Column**, **View**, **Tools**, **Help** ribbon tabs.
- Close & Apply**, **New**, **Recent**, **Enter Data**, **Data source settings**, **Manage Parameters**, **Refresh**, **Properties**, **Advanced Editor**, **Choose Columns**, **Remove Columns**, **Keep Rows**, **Remove Rows**, **Sort**, **Data Type: Text**, **Merge Queries**, **Append Queries**, **Combine Files**, **Use First Row as Headers**, **Split Column**, **Group By**, **Replace Values**, **Reduce Rows**, **Transform**.
- Queries [14]** pane on the left.
- Group By** dialog box in the center:

  - Text: "Specify the column to group by and the desired output."
  - Basic    Advanced
  - Column dropdown: Cname
  - New column name: no of customers
  - Operation: Count Rows
  - Column dropdown: (empty)
  - OK** and **Cancel** buttons.

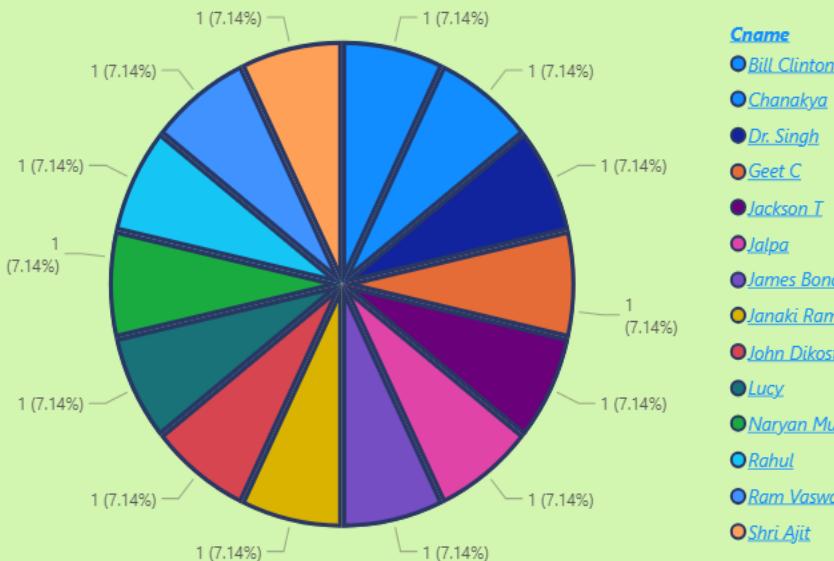
- Preview** pane at the top right showing the query formula: `= Table.Group(#"Changed Type", {"Cname"}, {"no of customers", each Table.RowCount(_, Int64.Type)})`.
- Query Settings** pane on the right.
- PROPERTIES** section:
  - Name: 1) question every salesman
  - All Properties
- APPLIED STEPS** section:
  - Source
  - Navigation
  - Promoted Headers
  - Changed Type
  - Grouped Rows**
- Bottom status bar: 2 COLUMNS, 14 ROWS | Column profiling based on top 1000 rows | PREVIEW DOWNLOADED ON TUESDAY



Clipboard

Total number of sales man in different colour

sum of no of customers by came

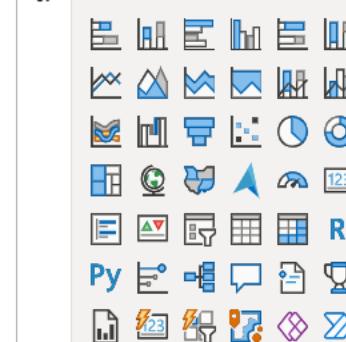


Select Customer name

Select all	Bill Clinton	Chanakya
Dr. Singh	Geet C	Jackson T
Jalpa	James Bond	Janaki Raman
John Dikosta	Lucy	Naryan Murthy
Rahul	Ram Vaswani	Shri Ajit

Visualizations

Build visual



Values

Add data fields here

Drill through

Cross-report Keep all filters 

Add drill-through fields here

Data

Search

- > 1) question every salesman
- > 10) 5 dax function
- > 2) city wise higest incen...
- > 3)city wise total sales
- > 4)group by function
- > 5) salaespeople who are...
- > 6)salaespeople who not ...
- > 7) button slicer with Q&A
- > 8)comparision of highes...
- > Bank-Customers
- > customers
- > orders
- > sales
- > Sheet1
- > table1

## 2) Create a pie chart where city wise display every salesman earned highest incentive,(pie/donut)

Screenshot of Microsoft Power BI desktop interface showing the creation of a query to group sales by city based on the highest incentive.

**File** | **Home** | **Transform** | **Add Column** | **View** | **Tools** | **Help**

**Queries [14]**

**Properties** | **Advanced Editor** | **Manage** | **Choose Columns** | **Remove Columns** | **Keep Rows** | **Remove Rows** | **Sort** | **Data Type: Text** | **Use First Row as Headers** | **Merge Queries** | **Append Queries** | **Combine Files**

**Transform** | **Combine**

**Query Settings**

**PROPERTIES**

- Name: 2) city wise higest incentive
- All Properties

**APPLIED STEPS**

- Source
- Navigation
- Promoted Headers
- Changed Type
- Grouped Rows

**Group By**

Specify the column to group by and the desired output.

Basic    Advanced

City

New column name: higest\_incentive   Operation: Max   Column: Comm

OK   Cancel

2 COLUMNS, 14 ROWS   Column profiling based on top 1000 rows   PREVIEW DOWNLOADED ON SUNDAY

City	higest_incentive
London	5775
Mumbai	
Pune	
Bangalore	
Chennai	
Paris	
Bengaluru	
Coimbatore	
New York	
Sydney	
Singapore	
Cairo	
Kolkata	
Hyderabad	

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Total of highest Incentive by City

**Cities in different color**

City

- Hyderabad
- Bengaluru
- Cairo
- Chennai
- Mumbai
- London
- Sydney
- Singapore
- Coimbatore
- Paris
- Bangalore
- Pune
- Kolkata
- New York

Select city

City, higest\_incentive

- (Blank)
- Bangalore
- Bengaluru
- Cairo
- Chennai
- Coimbator
- Hyderabad
- Kolkata
- London
- Mumbai
- New York
- Paris
- Pune
- Singapore
- Sydney

Visualizations

Build visual

Filters

Values

Add data fields here

Drill through

Cross-report Off

Keep all filters On

Add drill-through fields here

1) question 2)question X 3) questions 4)question 7)question 8)question 9)question 10 b) question +

Page 2 of 8

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### 3. create donut chart to print city wise every sales incentive. (button slicer.)

Screenshot of Microsoft Power BI Data Editor showing the process of creating a donut chart for city-wise sales incentives.

The ribbon menu is visible at the top, showing tabs like File, Home, Transform, Add Column, View, Tools, and Help. The Home tab is selected.

The left sidebar shows a list of queries: Sheet1, sales, orders, customers, 1) question every salesman, 2) city wise higest incentive, 3)city wise total sales (selected), 4)group by function, 5)salaespeople who are perfoming, 6)salaespeople who not are performing, 7) button slicer with Q&A, 8)comparision of highest,lowest & actu..., Bank-Customers, and 10) 5 dax function.

The main area displays a preview of the data with the following table:

	A <sup>B</sup> City	1.2 total_sales
1	London	2007
2	Mumbai	
3	Pune	
4	Bangalore	
5	Chennai	
6	Paris	
7	Bengaluru	
8	Coimborator	
9	New York	
10	Sydney	
11	Singapore	
12	Cairo	
13	Kolkatta	
14	Hyderabad	

A "Group By" dialog box is open in the center, specifying the column to group by and the desired output. The "Basic" tab is selected. The "City" column is chosen for grouping, and a new column named "total\_sales" is created using the "Sum" operation on the "Snum" column.

The right side of the interface shows "Query Settings" and "APPLIED STEPS" panels.

Bottom status bar: 2 COLUMNS, 14 ROWS | Column profiling based on top 1000 rows

Bottom right corner: PREVIEW DOWNLOADED ON SUNDAY

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New visual Text box More visuals New visual calculation New measure Quick measure Sensitivity Publish Prep data for Copilot AI

Total Incentive by City

Cities in different color

City	Incentive Value	Percentage
Singapore	10.78K	(25.65%)
Kolkata	7.33K	(17.45%)
Mumbai	3.73K	(8.88%)
Bengaluru	3.26K	(7.75%)
London	2.12K	(5.05%)
Hyderabad	1.99K	(4.73%)
Paris	1.93K	(4.6%)
Cairo	1.83K	(4.36%)
Chennai	1.66K	(3.95%)
Bangalore	1.09K	(2.6%)
New York	1.06K	(2.51%)
Sydney	3.1K	(7.37%)
Pune	1.99K	(4.73%)
Coimbatore	1.09K	(2.6%)

by City

City	City	City
Select all	Bangalore	Bengaluru
Cairo	Chennai	Coimbator
Hyderabad	Kolkatta	London

Visualizations

Build visual

Filters

Values

Add data fields here

Drill through

Cross-report  Off

Keep all filters  On

Add drill-through fields here

1) question every salesman  
10) 5 dax function  
2) city wise higest incen...  
3)city wise total sales  
4)group by function  
5) salaespeople who are...  
6)salaespeople who not ...  
7) button slicer with Q&A  
8)comparision of highes...  
Bank-Customers  
customers  
orders  
sales  
Sheet1  
table1

1) question 2)question 3) questions 4)question 7)question 8)question 9)question 10 b) question +

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4. Create a clustered column/column chart using group by ( where city wise display the total incentive, highest incentive, lowest incentive and average incentive) (save in a separate power bi file) background chart, legends, title, legend tile. slicer in the column chart of good colour with shading. (any slicer)

The screenshot shows the Power BI desktop interface with the 'Group By' dialog box open. The 'Advanced' tab is selected in the dialog. A table named 'ABC\_City' is shown on the left. The 'Properties' pane on the right shows the query is named '4)group by function'. The 'Applied Steps' section includes 'Grouped Rows'.

**Group By**

Specify the columns to group by and one or more outputs.

Basic  Advanced

City

Add grouping

New column name	Operation	Column
Total Incentive	Sum	Snum
Highest Incentive	Max	Comm
Lowest Incentive	Min	Comm
Average incentive	Average	Comm

Add aggregation

OK Cancel

**Properties**

Name: 4)group by function

**Applied Steps**

- Source
- Navigation
- Promoted Headers
- Changed Type
- Grouped Rows

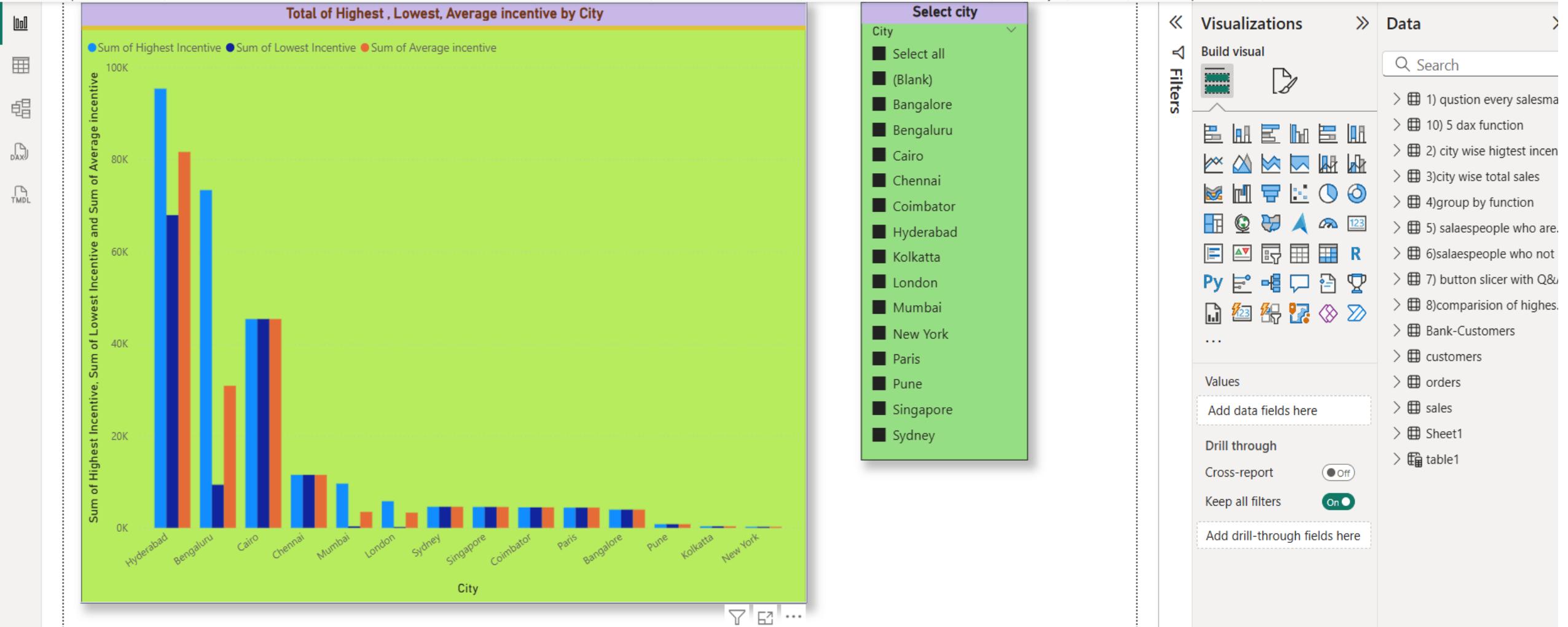
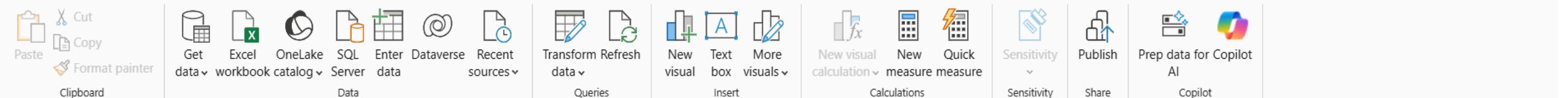
**Query Settings**

Highest

Queries [14]

- Sheet1
- sales
- orders
- customers
- 1) question every salesman
- 2) city wise highest incentive
- 3)city wise total sales
- 4)group by function
- 5) salespeople who are performing
- 6)salespeople who not are performing
- 7) button slicer with Q&A
- 8)comparison of highest,lowest & actu...
- Bank-Customers
- 10) 5 dax function

5 COLUMNS, 14 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED ON SUNDAY



**Visualizations**

Build visual

**Filters**

Search

1) question every salesma  
10) 5 dax function  
2) city wise highest incen  
3)city wise total sales  
4)group by function  
5) salaespeople who are.  
6)salaespeople who not  
7) button slicer with Q&  
8)comparision of highes.  
Bank-Customers  
customers  
orders  
sales  
Sheet1  
table1

**Values**

Add data fields here

Drill through

Cross-report

Keep all filters

Add drill-through fields here

## 5. create a merge query : where you will display all those customer who are performing (customer and order)

Inventory sales management project

File Home Transform Add Column View Tools Help

Close & Apply New Recent Enter Data source settings Manage Parameters Refresh Preview Advanced Editor Data Type: Whole Number Merge Queries Use First Row as Headers Append Queries

Queries [14]

- Sheet1
- sales
- orders
- customers
- 1) question every salesman
- 2) city wise highest incentive
- 3)city wise total sales
- 4)group by function
- 5) salespeople who are performing
- 6)salespeople who not are performing
- 7) button slicer with Q&A
- 8)comparison of highest,lowest & actu...
- Bank-Customers
- 10) 5 dax function

This preview may be incomplete or out of date.

Merge

Select a table and matching columns to create a merged table.

5) salespeople who are performing

Cnum	Cname	City	Snum
1	2001	Jalpa	Mumbai
2	2044	Rahul	new york
3	2088	Dr. Singh	Mumbai
4	2088	Shri Ajit	Bangalore
5	2082	Bill Clinton	London
6			1007

Refresh

orders

Onum	Odate	Oamount	Cnum	Snum
3006	11-01-2015	54000	2789	1987
3009	16-07-2018	94999	2088	1001
3012	19-04-2018	12000	2177	1004
3015	23-05-2019	18000	2177	1004
3018	21-02-2019	23000	2088	1001

Join Kind: Inner (only matching rows)

Use fuzzy matching to perform the merge

Fuzzy matching options

OK Cancel

Query Settings

PROPERTIES

Name: 5) salespeople who are performing

All Properties

APPLIED STEPS

- Source
- Navigation
- Promoted Headers
- Changed Type
- Merged Queries

## 6. create a merge query where you will display all those salespeople who are not performing(salespeople, customers)

Screenshot of Power BI Desktop showing the 'Merge' dialog box and the 'Properties' pane.

The 'Merge' dialog box displays two tables:

- salespeople** (Top Table):

Snum	Sname	City	Comm
1001	James	London	5776
1044	Janak	Mumbai	456
1004	ramesh	Mumbai	9595
1007	Dr. Jun Jun wala	London	49
1056	Shri John	Pune	788
- customers** (Bottom Table):

Cnum	Cname	City	Snum
2001	Jalpa	Mumbai	1044
2044	Rahul	new york	1001
2088	Dr. Singh	Mumbai	1001
2088	Shri Ajit	Bangalore	1001
2082	Bill Clinton	London	1007

Join Kind: Left Anti (rows only in first)

Use fuzzy matching to perform the merge

Fuzzy matching options

**OK** **Cancel**

**Properties** pane (Right):

- Name: 6)salaespeople who not are performing
- All Properties
- APPLIED STEPS:
  - Source
  - Navigation
  - Promoted Headers
  - Changed Type
  - Merged Queries

7. create a bar chart where you will print the total sales, highest, average, minimum sales and total no of sales ppl working in each city. (5 group by functions) and add button slicer with (Q & A)

Screenshot of Power BI Desktop showing the 'Group By' dialog box and the 'Properties' pane.

**Group By Dialog:**

- Advanced Mode:** Selected.
- Grouping:** Set to 'City'.
- Operations:**
  - Total Incentive: Sum, Column: Comm
  - Highest Incentive: Max, Column: Comm
  - Lowest Incentive: Min, Column: Comm
  - Average Incentive: Average, Column: Comm
  - Total no of Sales People workin: Count Rows, Column: [Empty]

**Properties Pane:**

- Name:** 7) button slicer with Q&A
- Applied Steps:**
  - Grouped Rows (selected)

**Bottom Status Bar:**

- 6 COLUMNS, 14 ROWS
- Column profiling based on top 1000 rows
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Total ,Highest, Lowest, Average ,Total no of Sales People working

Sum of Total Incentive Sum of Highest Incentive Sum of Lowest Incentive Sum o...

City			
Hyderabad	Select all	Bangalore	Bengaluru
Bengaluru	Cairo	Chennai	Coimbatore
Cairo	Hyderabad	Kolkatta	London
Chennai			
Mumbai			
London			
Sydney			
Singapore			
Coimbatore			
Paris			
Bangalore			
Pune			
Kolkatta			
New York			

Ask a question about your data

Try one of these to get started

average age maximum sale sum

Show all suggestions

Visualizations

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Filters

1) question every salesman

10) 5 dax function

2) city wise higest incen...

3)city wise total sales

4)group by function

5) salaespeople who are...

6)salaespeople who not ...

7) button slicer with Q&A

8)comparision of highes...

Bank-Customers

customers

orders

sales

Sheet1

table1

Values

Add data fields here

Drill through

Cross-report

Keep all filters

Add drill-through fields here

1) question 2)question 3) questions 4)question 7)question 8)question 9)question 10 b) question +

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## 8. Create a line chart using sales target data set and print the comparison of highest, lowest and actual sales using (button and regular slicer)

Inventory sales management project

File Home Transform Add Column View Tools Help

Close & Apply New Source Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Data Type: Text Use First Row as Headers Merge Queries Append Queries Combine Files Manage Columns Split Column Group By Reduce Rows Replace Values Transform Close New Query Data Sources Parameters Query Manage Columns Sort Combine

Queries [14]

This preview may be up to 3 days old. Refresh

= Table.TransformColumnTypes(#"Promoted Headers",{{"City", type text}, {"Min target", Int64.Type}, {"Max target", Int64.Type}, {"Current value", Int64.Type}})

	City	Min target	Max target	Current value
1	London	9000	49000	23000
2	New York	8500	46500	45678
3	Paris	7000	65000	19000
4	Hyderabad	11000	48000	5000
5	Bengaluru	14000	45000	49000
6	Mumbai	16000	67000	61000
7	New York	27000	89000	56000

Query Settings

**PROPERTIES**

Name: 8)comparison of highest,lowest & actual  
All Properties

**APPLIED STEPS**

Source, Navigation, Promoted Headers, Changed Type

4 COLUMNS, 7 ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED ON SUNDAY

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**Report view**

**Sum of Max target, Sum of Min target and Sum of Current value**

● Sum of Max target ● Sum of Min target ● Sum of Current value

The chart displays three data series for six cities: New York, Mumbai, Paris, London, Hyderabad, and Bengaluru. The Y-axis represents the sum of these three metrics, ranging from 0K to 140K. The X-axis lists the cities. The blue line (Max target) starts at approximately 135K for New York, drops to about 68K for Mumbai, stays flat for Paris, dips slightly for London, and ends at 48K for Bengaluru. The orange line (Min target) starts at 100K for New York, drops to 20K for Mumbai, rises to 25K for Paris, 22K for London, 10K for Hyderabad, and ends at 50K for Bengaluru. The dark blue line (Current value) starts at 35K for New York, drops to 18K for Mumbai, 10K for Paris, 12K for London, 12K for Hyderabad, and ends at 15K for Bengaluru.

City	Sum of Max target	Sum of Min target	Sum of Current value
New York	~135K	100K	35K
Mumbai	~68K	20K	18K
Paris	~68K	25K	10K
London	~50K	22K	12K
Hyderabad	~48K	10K	12K
Bengaluru	~48K	50K	15K

City

- Select all
- Bengaluru
- Hyderabad
- London
- Mumbai
- New York
- Paris

city

- Bengaluru
- Hyderabad
- London
- Mumbai
- New York
- Paris

Visualizations

Build visual

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1) question every salesman  
10) 5 dax function  
2) city wise highest incen...  
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6) salespeople who not ...  
7) button slicer with Q&A  
8) comparison of highes...  
Bank-Customers  
customers  
orders  
sales  
Sheet1  
table1

Add data fields here

Drill through

Cross-report

Keep all filters

Add drill-through fields here

1) question 2)question 3) questions 4)question 7)question 8)question 9)question 10 b) question +

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9. create a dash board which will have pie and donut chart. region bank balance and gender bank balance. (customer bank) and you will also have slicer and q and a.

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**Sum of Balance by Region**

Region	Sum of Balance	Percentage
England	84.83M	53.15%
Scotland	44.41M	27.82%
Wales	22.04M	13.81%
Northern Ireland	0M	0%

**Sum of Balance by Gender**

Gender	Sum of Balance	Percentage
Female	86.64M	54.28%
Male	72.98M	45.72%

Ask a question about your data

Try one of these to get started

- average age
- maximum sale sum
- total age over time
- what is the total sum
- total balance over time

Show all suggestions

Visualizations

Filters

Data

Search

1) question every salesman  
10) 5 dax function  
2) city wise highest incentive  
3) city wise total sales  
4) group by function  
5) salespeople who are...  
6) salespeople who not ...  
7) button slicer with Q&A  
8) comparison of highest...  
Bank-Customers  
customers  
orders  
sales  
Sheet1  
table1

Add drill-through fields here

1) question 2)question 3) questions 4)question 7)question 8)question 9)question 10 b) question +

82% Update available (click to download)

10. a) create a copy of sales ppl data set and you will create 5 Dax function. (lowest sales, highest sales, average sales, total no sales ppl, and total incentive, ) and 3 Dax functions to be stored in columns. and 2 Dax functions to be the stored in measure.

Screenshot of Power BI interface showing a table named "10) 5 dax function".

**Table Structure:**

Snum	Sname	City	Comm	Highest_Incentive	Lowest_Incentive	Average_Incentive
1001	James	London	5776	95355.44	49	16958.8561904762
1044	Janak	Mumbai	456	95355.44	49	16958.8561904762
1004	ramesh	Mumbai	9595	95355.44	49	16958.8561904762
1007	Dr. Jun Jun wala	London	49	95355.44	49	16958.8561904762
1056	Shri John	Pune	788	95355.44	49	16958.8561904762
1686	Seema	Mumbai	333	95355.44	49	16958.8561904762
1661	Suganya	Bangalore	3949	95355.44	49	16958.8561904762
1833	Ram Kapoor	Chennai	11500	95355.44	49	16958.8561904762
1987	Ridhi	Paris	4392	95355.44	49	16958.8561904762
1089	Jonathan	Bengaluru	9353	95355.44	49	16958.8561904762
1055	Ganesh	Coimbator	4444	95355.44	49	16958.8561904762
1089	Lucy	London	4044.44	95355.44	49	16958.8561904762
1094	Robert	New York	230.22	95355.44	49	16958.8561904762
1114	Sam	Bengaluru	9856	95355.44	49	16958.8561904762
1087	Suresh	Sydney	4578	95355.44	49	16958.8561904762
10780	Jujun Singh	Singapore	4533	95355.44	49	16958.8561904762
1933	Rachel	Cairo	45333	95355.44	49	16958.8561904762
7333	Mousam	Kolkatta	343	95355.44	49	16958.8561904762
1023	Charles	Hyderabad	95355.44	95355.44	49	16958.8561904762
1099	Bill	Hyderabad	67894.11	95355.44	49	16958.8561904762
1056	Csk S	Bengaluru	73333.77	95355.44	49	16958.8561904762

**Data View:**

- 1) question every salesman
- 10) 5 dax function
  - Average\_Incentive
  - City
  - Comm
  - Highest\_Incentive
  - Lowest\_Incentive
  - Sname
  - Snum
- 2) city wise higest incentive
- 3)city wise total sales
- 4)group by function
- 5) salaespeople who are perfoming
- 6)salaespeople who not are perfo...
- 7) button slicer with Q&A
- 8)comparison of highest,lowest ...
- Bank-Customers
- customers
- orders
- sales
- Sheet1
- table1

10. b) you will create a clustered column & line chart and store in a new power file to create a separate dashboard and add normal slicer to it.

Screenshot of Microsoft Power BI Data Editor showing a DAX query and a table view.

The DAX query in the formula bar is:

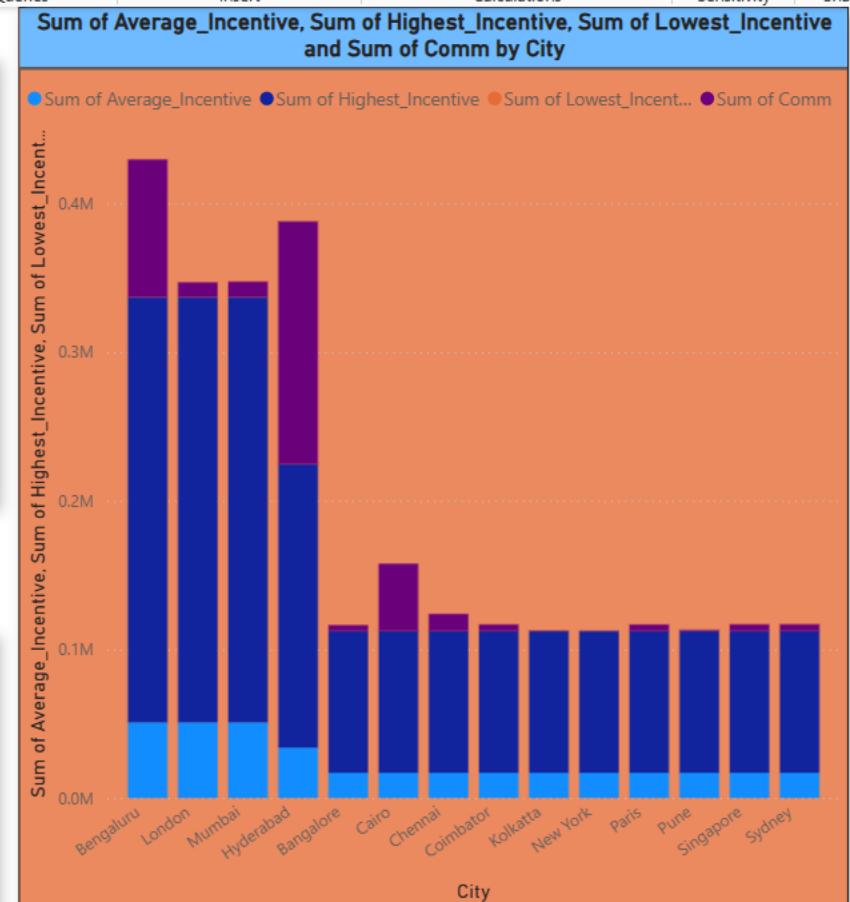
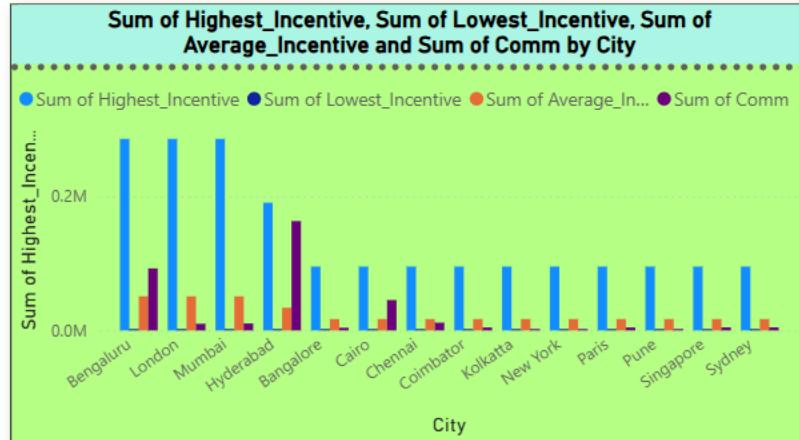
```
1 table1 = SUMMARIZE('sales',sales[City],"maximum incentive",MAX(sales[Comm]),"minimum incentive", MIN(sales[Comm]),"average incentive", AVERAGE(sales[Comm]),"total incentive",SUM(sales[Comm]),"no of sales people",COUNT(sales[Comm]))
```

The table view shows the following data:

City	maximum incentive	minimum incentive	average incentive	total incentive	no of sales people
London	5776	49	3289.81333333333	9869.44	3
Mumbai	9595	333	3461.33333333333	10384	3
Pune	788	788	788	788	1
Bangalore	3949	3949	3949	3949	1
Chennai	11500	11500	11500	11500	1
Paris	4392	4392	4392	4392	1
Bengaluru	73333.77	9353	30847.59	92542.77	3
Coimborator	4444	4444	4444	4444	1
New York	230.22	230.22	230.22	230.22	1
Sydney	4578	4578	4578	4578	1
Singapore	4533	4533	4533	4533	1
Cairo	45333	45333	45333	45333	1
Kolkatta	343	343	343	343	1
Hyderabad	95355.44	67894.11	81624.775	163249.55	2

The Data pane on the right lists various DAX functions and tables used in the query:

- 1) question every salesman
- 2) 10) 5 dax function
  - Average\_Incentive
  - City
  - Comm
  - Highest\_Incentive
  - Lowest\_Incentive
  - Sname
  - Snum
- 2) city wise higest incentive
- 3)city wise total sales
- 4)group by function
- 5) salaespeople who are performing
- 6)salaespeople who not are perfo...
- 7) button slicer with Q&A
- 8)comparison of highest,lowest ...
- Bank-Customers
- customers
- orders
- sales
- Sheet1
- table1



Ask a question about your data

Try one of these to get started

average age      maximum sale num

Show all suggestions

Visualizations

Build visual

Filters

1) question every salesman  
2) 10 dax function  
3) city wise highest incen...  
4)city wise total sales  
5) group by function  
6)salaespeople who are...  
7) button slicer with Q&A  
8)comparison of highs...

Snipping Tool

Screenshot copied to clipboard  
Automatically saved to screenshots folder.

Mark-up and share

11. create a new of power bi for multi row record and another page in the same dashboard will have tables.  
(this data is from order table) and add slicer to it.

The screenshot shows the Microsoft Power BI desktop application interface. The ribbon at the top includes tabs for File, Home, Insert, Modeling, View, Optimize, and Help. The Home tab is selected. The Data section of the ribbon contains icons for Paste, Cut, Copy, Format painter, Get data (with sub-options for Excel workbook, catalog, OneLake, SQL Server, Enter data, Dataverse), Recent sources, Transform data, Refresh data, New visual, Text box, More visuals, New visual calculation, New measure, Quick measure, Sensitivity, Publish, Prep data for Copilot AI, and Copilot. The ribbon also features a Share button and a Sign in button.

The main workspace displays a "Multi row card" visual containing a table of data. The table has columns for Qtr, Month, Day, and various numerical and sum-based measures. The data spans from 2015 to 2020.

On the right side of the screen, there are three panels: "Filters", "Visualizations", and "Data". The "Filters" panel contains sections for "Filters on this page" and "Filters on all pages", both with "Add data fields here" buttons. The "Visualizations" panel shows a grid of visualization icons. The "Data" panel includes a search bar and a list of items such as "15) applying conditional...", "16)", "Bank-Customers", "orders", "sales", and "Sheet1".

At the bottom of the screen, there are navigation icons for monitor, smartphone, and tablet, followed by tabs for "11 question", "11 question", "12) qustion", "13) quston", "14) qustions", "Page 3", and a plus sign. The bottom right corner shows zoom controls (73%) and an "Update available (click to download)" message.

Qtr	Month	Day	Sum of Cnum	Sum of Oamount	Year	Qtr 1	January	11	3006	1987	Sum of Onum	Sum of Snum
2015			2789	54000	2015	Quarter	Month	Day	Sum of Onum	1987	Sum of Snum	
2016			2177	12000	2016	Qtr 2	April	19	3012	1004	Sum of Onum	Sum of Snum
2017			2082	404	2017	Qtr 2	April	29	3027	1001	Sum of Onum	Sum of Snum
2018			2088	94999	2018	Qtr 3	July	16	3009	1001	Sum of Onum	Sum of Snum
2019			2789	45000	2019	Qtr 4	November	11	3021	1987	Sum of Onum	Sum of Snum
2020			2177	23555	2020	Qtr 1	January	1	3033	1004	Sum of Onum	Sum of Snum
			2088	23000	2020	Qtr 1	February	21	3018	1001	Sum of Onum	Sum of Snum
			2082	3030	2020	Qtr 1	February	24	3030	1001	Sum of Onum	Sum of Snum
			2909	78000	2020	Qtr 2	April	15	3024	1661	Sum of Onum	Sum of Snum
			2177	18000	2020	Qtr 2	May	23	3015	1004	Sum of Onum	Sum of Snum
			2789	3422	2020	Qtr 1	January	1	3078	1987	Sum of Onum	Sum of Snum

project 2 • Last saved: Yesterday at 6:47 PM

Search

Sign in

File Home Insert Modeling View Optimize Help

Cut Copy Format painter

Paste

Clipboard

Get data

Excel workbook catalog

OneLake Server

SQL Enter data

Dataverse Recent sources

Transform data

Refresh data

New visual

Text box

More visuals

New visual calculation

New measure

Quick measure

Sensitivity

Publish

Prep data for Copilot AI

Copilot

Table visual

Sum of Cnum	Sum of Oamount	Year	Quarter	Month	Day	Sum of Onum	Sum of Snum
2177	12000	2018	Qtr 2	April	19	3012	1004
2082	404	2018	Qtr 2	April	29	3027	1001
2088	94999	2018	Qtr 3	July	16	3009	1001
2789	45000	2018	Qtr 4	November	11	3021	1987
2177	23555	2019	Qtr 1	January	1	3033	1004
2088	23000	2019	Qtr 1	February	21	3018	1001
2082	3030	2019	Qtr 1	February	24	3030	1001
2909	78000	2019	Qtr 2	April	15	3024	1661
2177	18000	2019	Qtr 2	May	23	3015	1004
2789	3422	2020	Qtr 1	January	1	3078	1987
<b>23358</b>	<b>301410</b>				<b>30267</b>	<b>12651</b>	

Odate

16-01-2015 15-01-2020

Filters

Visualizations

Data

Build visual

Search

Add data fields here

Filters on all pages

Add data fields here

Values

Add data fields here

Drill through

Cross-report

Keep all filters

Add drill-through fields here

11 question

11 question

12) qustion

13) qustion

14) qustions

Page 3

+

Page 2 of 6

73%

Update available (click to download)

## 12. create a funnel chart using (Sales\_target data sets)

Paste Get Excel OneLake SQL Enter Dataverse Recent Data Data Sources New Text Box More Insert New Quick Calculation Sensitivity Publish Prep data for Copilot AI Copilot

Clipboard

**City wise min,max,current target**

City	Value
New York	102K
Mumbai	61K
Bengaluru	49K
London	23K
Paris	19K
Hyderabad	5K

City  
Select all  
Bengaluru  
Hyderabad  
London  
Mumbai  
New York  
Paris

**Filters** Search

Filters on this page

Filters on all pages

Values   
Drill through   
Cross-report   
Keep all filters   
Add drill-through fields here

11 question 11 question 12 question 13 question 14) qustion Page 3 73% Update available (click to download)

### 13. prepare a gauge chart with sales\_target data sets /data sets.

Screenshot of Microsoft Power BI interface showing a gauge chart and a grid visual.

The gauge chart displays the value "49K" with a scale from "0K" to "98K".

The grid visual shows the following data:

	City		
Select all	Bengaluru	Hyderabad	
London	Mumbai	New York	
Paris			

The "Visualizations" pane on the right is open, showing various visualization icons and the current selection "City".

The "Data" pane on the right lists several data sources:

- > 15) applying conditional...
- > 16)
- > Bank-Customers
- > orders
- > sales
- > Sheet1

Page navigation at the bottom: 11 question, 11 question, 12 qustion, 13 qustion (highlighted), 14) qustions, Page 3, +

Page 4 of 6

## 14. prepare a key influence chart with slicers.

Screenshot of Microsoft Power BI interface showing a "Key influencers" report for "City wise current value".

The report displays a chart titled "...the likelihood of City being Hyderabad increases by" with a value of 36.84x. The chart shows a dashed red line starting at approximately 50% likelihood for a current value of 0K and decreasing to 0% likelihood for a current value of 50K.

The report also includes a note: "On average when Sum of Current value decreases, the likelihood of City being Hyderabad increases."

**Filters Panel:**

- City:
  - Select all
  - Bengaluru
  - Hyderabad
  - London
  - Mumbai
  - New York
  - Paris

**Visualizations Panel:**

- Build visual
- ... (other visualization icons)

**Data Panel:**

- Search: Search
- Filters on this page
  - Add data fields here
- Filters on all pages
  - Add data fields here
- Values
  - Add data fields here
- Drill through
- Cross-report (Off)
- Keep all filters (On)
- Add drill-through fields here

**Bottom Navigation:**

- 11 question
- 11 question
- 12) qustion
- 13) qustion
- 14) qustions
- + (New item)

**Page Footer:**

- Page 5 of 5
- 73%
- Update available (click to download)

15.) In power query editor. make a copy of the sales file and apply condition columns, indexing and split column concepts.

The screenshot shows the Microsoft Power Query Editor interface. The ribbon menu includes File, Home, Transform, Add Column, View, Tools, and Help. The Home tab is selected. The left pane displays a list of queries: orders, Sheet1, sales, 15applying condtonal columnns,indexin..., Bank-Customers, and 16. The current query is '15applying condtonal columnns,indexin...'. The main area shows the formula bar with the M code: `= Table.AddColumn(#"Changed Type", "Custom", each if [Comm] < 20000 then "ordinary" else if [Comm] < 128000 then "gold" else "silver")`. A context menu is open over the 'sales' query. The 'Add Conditional Column' dialog is open, titled 'Add Conditional Column'. It asks to 'Add a conditional column that is computed from the other columns or values.' The 'New column name' is set to 'Custom'. The dialog lists three clauses:

- If [Comm] is less than 20000 Then ordinary
- Else If [Comm] is less than 128000 Then gold
- Else If [Comm] is less than 40000 Then silver

An 'Add Clause' button is available for more conditions. The 'Else' clause is set to 'Daimond'. At the bottom are 'OK' and 'Cancel' buttons. To the right, the 'Query Settings' pane shows the properties for the current query, including 'Name: 15applying condtonal columnns,indexin...' and 'APPLIED STEPS' which include 'Source', 'Navigation', 'Promoted Headers', 'Changed Type', 'Added Conditional Column', and 'Added Index'.

16.) In bank customer data sets, remove 100 rows and then remove last 456 rows. and applying sorting on region column and then split the column of job classification after making a duplicate copy of the column and split the column by the 1st delimiter called space. and also apply indexing.

The screenshot shows the Microsoft Power BI Data Editor interface. The top menu bar includes File, Home, Transform, Add Column, View, Tools, and Help. The ribbon below the menu has sections for Close & Apply, New Source, Recent Sources, Enter Data, Data source settings, Manage Parameters, Refresh Preview, Advanced Editor, Choose Columns, Remove Columns, Keep Rows, Remove Rows, Sort, Transform, and Combine. The left sidebar lists queries: orders, Sheet1, sales, 15) applying condtonal columns,indexin..., Bank-Customers, and 16). The main area displays a table with columns: ID, Name, Job, Gender, Age, and Region. A context menu is open over the 'Region' column. The 'Transform' tab is selected, and the 'Advanced Editor' dialog is open, showing the M code for creating a new column 'Custom' based on the 'Balance' column. The 'Properties' pane on the right shows the query is named '16)' and the 'Applied Steps' pane shows the 'Added Conditional Column' step.

**Advanced Editor M Code:**

```
= Table.AddColumn(#"Changed Type", "Custom", each if [Balance] < 20000 then "Ordinary account" else if [Balance] < 40678 then "silver account" else if [Balance] < 128000 then "Gold account" else "Daimond accout")
```

**Properties Panel (Query Settings):**

- Name: 16)
- All Properties

**Applied Steps:**

- Source
- Promoted Headers
- Changed Type
- Added Conditional Column

ID	Name	Job	Gender	Age	Region
200000022	Jason	Butler	Male	58	Scotland
300000023	Deirdre	McDonald	Female	41	Wales
200000024	Carl	Quinn	Male	52	Scotland
100000025	Jennifer	Hughes	Female	38	England
200000026	Richard	Fraser	Male	55	Scotland
400000027	Rachel	McGrath	Female	37	Northern Ireland

project 2

File Home Transform Add Column View Tools Help

Close & Apply New Source Sources Enter Data Data source settings Manage Parameters Refresh Preview Advanced Editor Choose Columns Remove Columns Keep Rows Remove Rows Sort Data Type: Any Use First Row as Headers Split Column Group By 1 2 Replace Values Merge Queries Append Queries Combine Files Close New Query Data Sources Parameters Query Manage Columns Reduce Rows Sort Transform Combine

Queries [6]

orders  
Sheet1  
sales  
15) applying conditional columns, indexing...  
Bank-Customers  
**16**

= Table.AddColumn(#"Changed Type", "Custom", each if [Balance] < 20000 then "Ordinary account" else if [Balance] < 40678 then

	Age	Region	Job Classification	Date Joined	Balance	Custom
1	21	England	White Collar	05-01-2015	113810.15	Gold account
2	34	Northern Ireland	Blue Collar	06-01-2015	36919.73	silver account
3	46	England	White Collar	07-01-2015	101536.83	Gold account
4	32	Wales	White Collar	08-01-2015	1421.52	Ordinary account
5	38	England	Blue Collar	09-01-2015	35639.79	silver account
6	30	Wales	Blue Collar	09-01-2015	122443.77	Gold account
7	34	England	Blue Collar	11-01-2015	42879.84	Gold account
8	48	Scotland	Other	11-01-2015	36680.17	silver account
9	33	Wales	White Collar	11-01-2015	74284.35	Gold account
10	42	England	White Collar	12-01-2015	10912.45	Ordinary account
11	40	England	White Collar	12-01-2015	39667.83	silver account
12	39	England	White Collar	12-01-2015	32281.62	silver account
13	24	England	White Collar	12-01-2015	40781.63	Gold account
14	46	Scotland	Other	12-01-2015	48791.46	Gold account
15	36	Wales	Other	12-01-2015	2846.03	Ordinary account
16	42	England	White Collar	14-01-2015	2116.85	Ordinary account
17	31	Scotland	Other	14-01-2015	10356.31	Ordinary account
18	42	Scotland	Other	14-01-2015	3801.69	Ordinary account
19	40	England	Blue Collar	15-01-2015	65534.69	Gold account
20	46	England	Blue Collar	15-01-2015	11462.64	Ordinary account
21	37	Wales	Other	16-01-2015	31778.9	silver account
22	58	Scotland	Blue Collar	18-01-2015	21252.97	silver account
23	41	Wales	White Collar	18-01-2015	66785.78	Gold account
24	52	Scotland	Blue Collar	19-01-2015	6580.81	Ordinary account
25	38	England	White Collar	20-01-2015	20505.32	silver account
26	55	Scotland	Blue Collar	21-01-2015	43249.26	Gold account
27	37	Northern Ireland	White Collar	23-01-2015	3967.2	Ordinary account
28						

Query Settings

**PROPERTIES**  
Name: 16  
All Properties

**APPLIED STEPS**  
Source  
Promoted Headers  
Changed Type  
**Added Conditional Column**

10 COLUMNS, 999+ ROWS Column profiling based on top 1000 rows PREVIEW DOWNLOADED AT 14:57