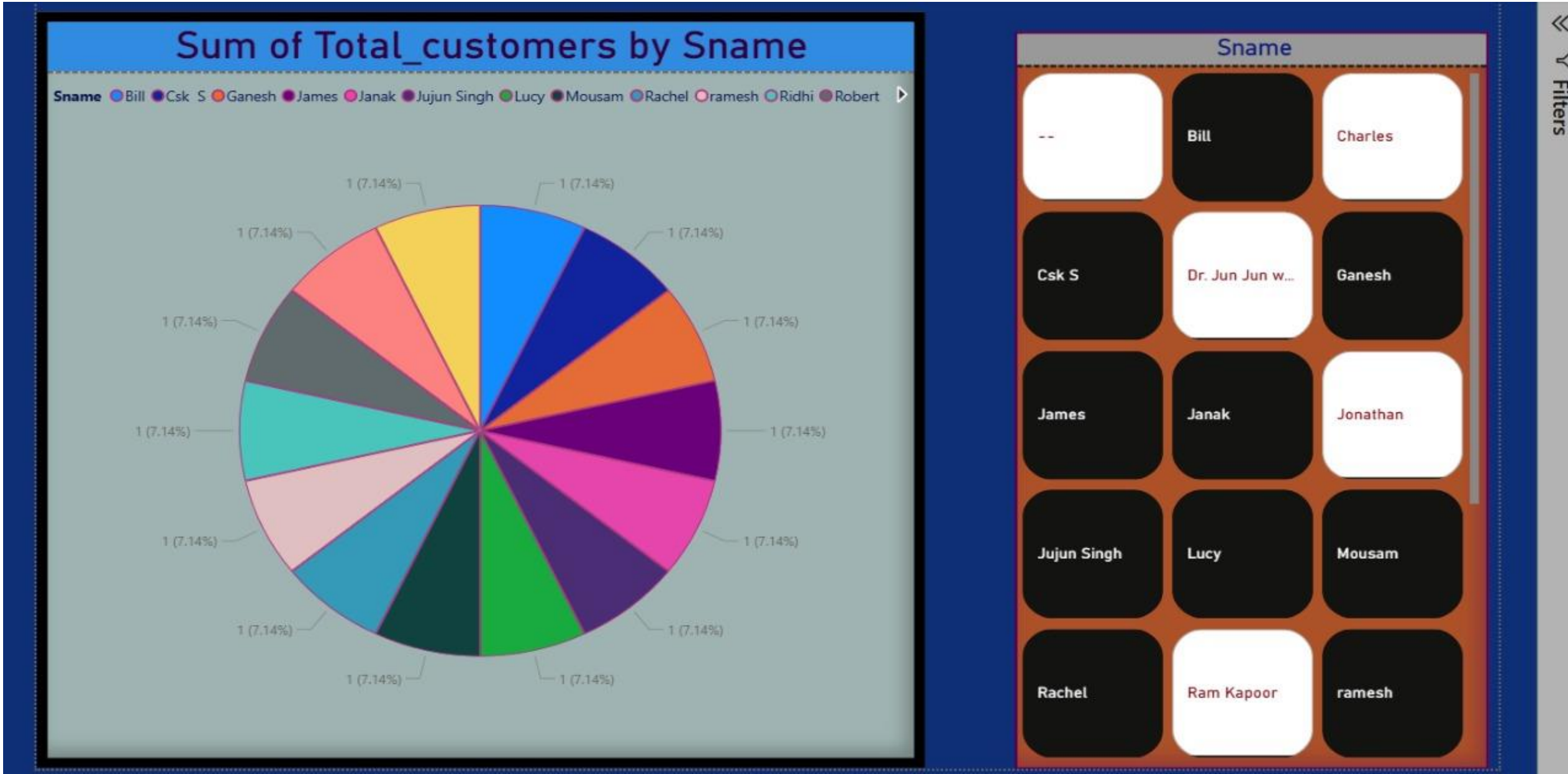
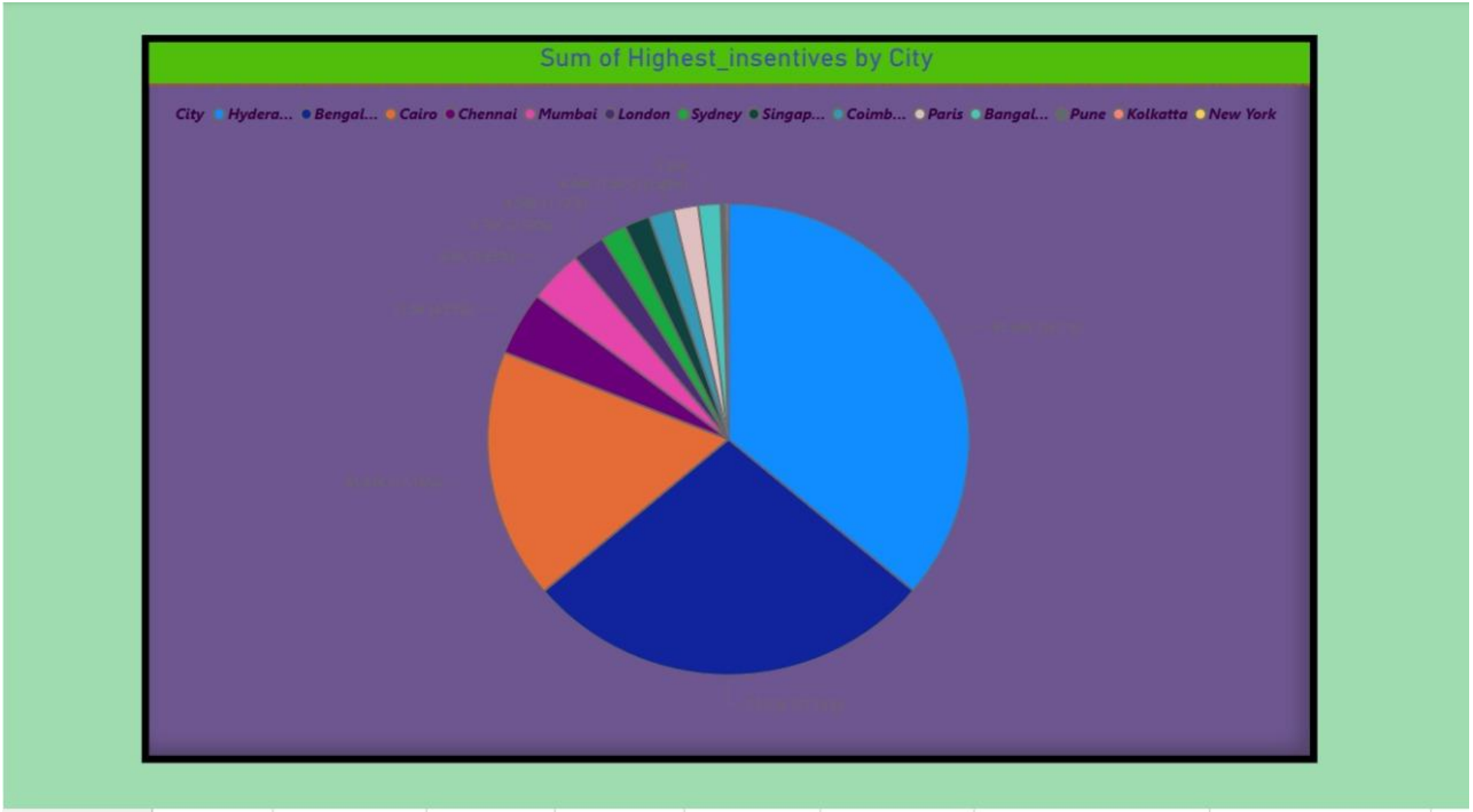
INVENTORY SALES MANAGEMENT PROJECT

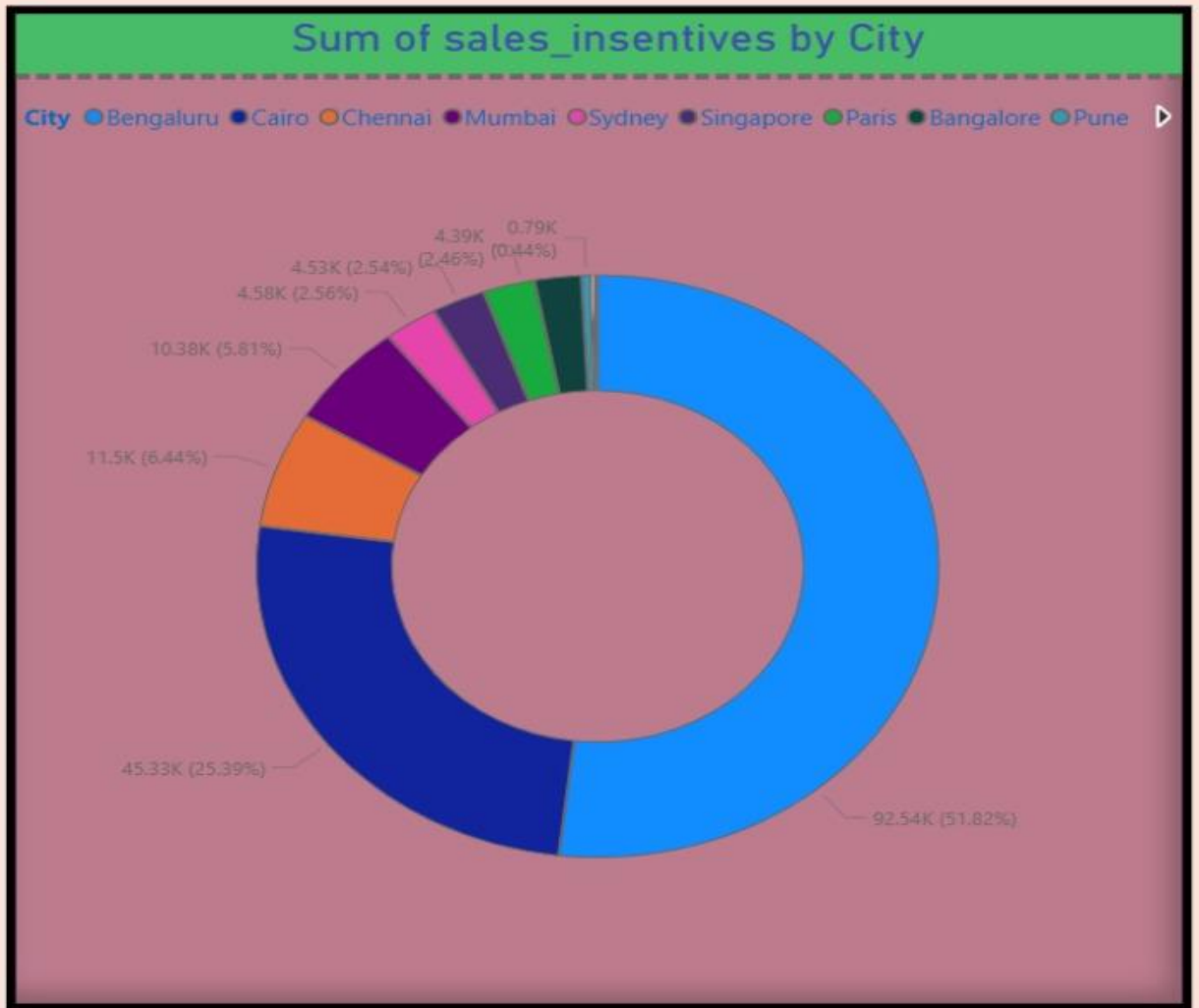
1)Create a pie chart which will display every salesman has how many customers.



2) Create a pie chart where city wise display every salesman earned highest insentives



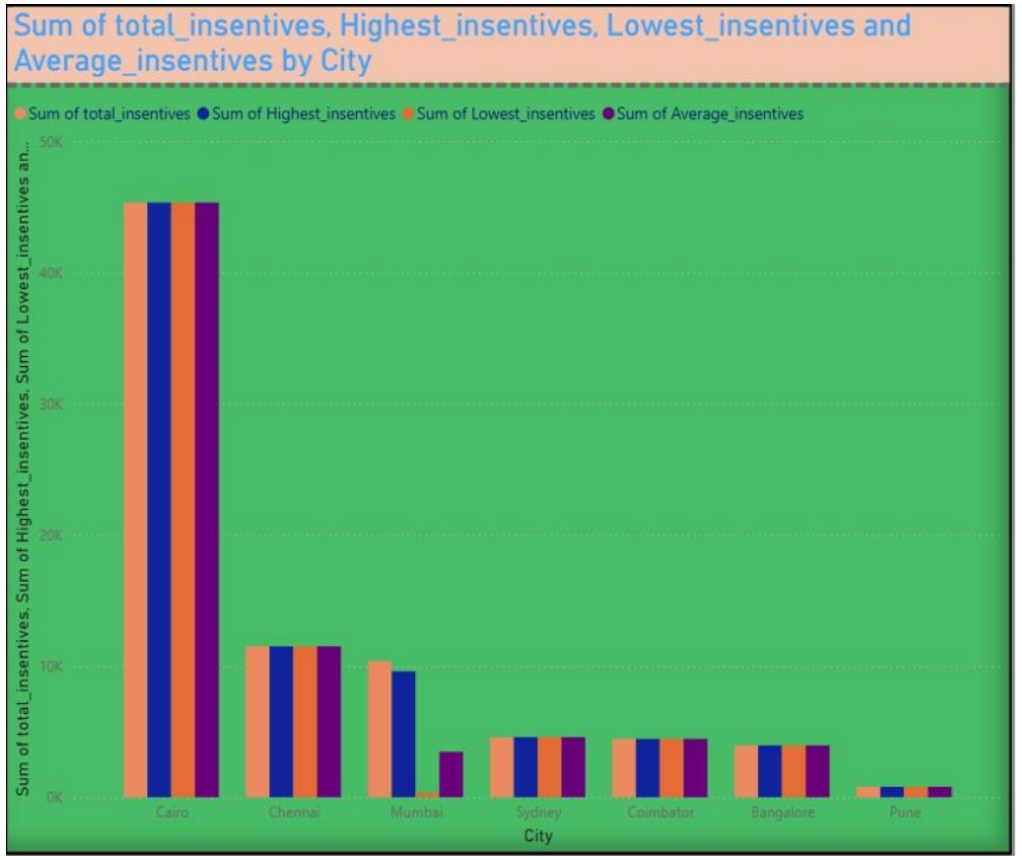
3)Create a donut chart to print city wise every sales incentives

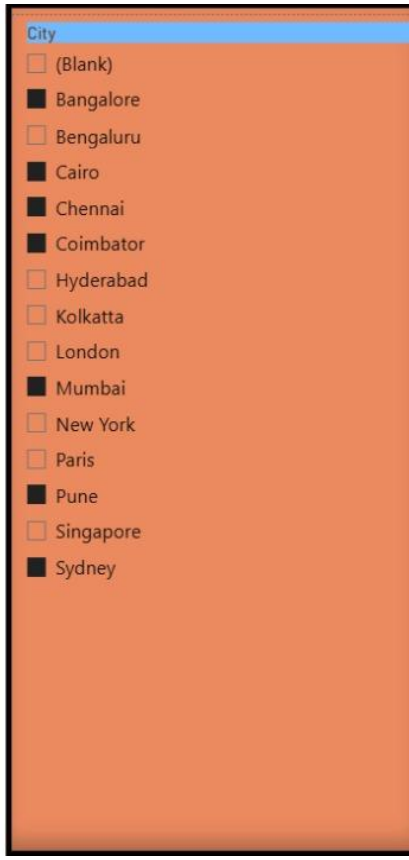


4)Create a clustered column chart using a group by

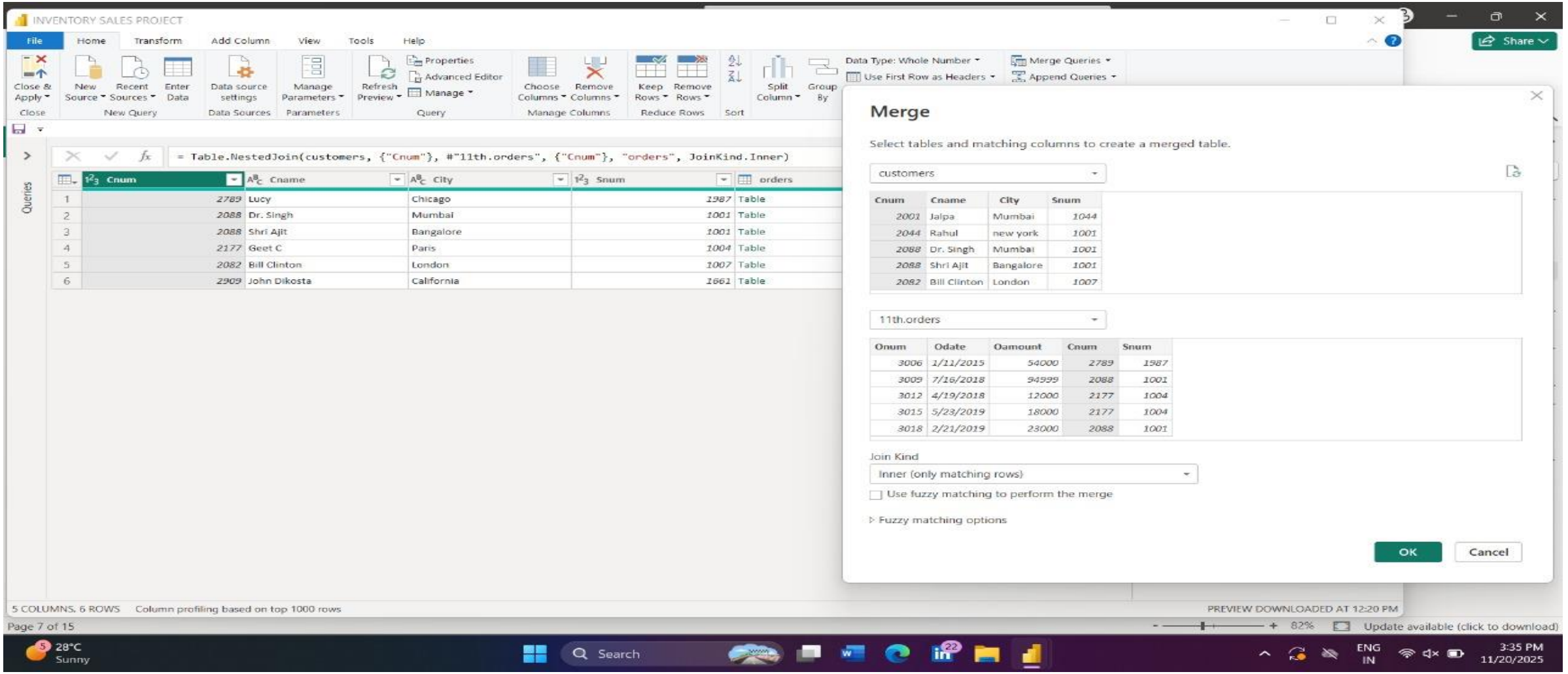
```
= Table.Group(#"Changed Type", {"City"}, {{"total_insentives", each List.Sum([Snum]), type nullable number},
```

	City	total_insentives	higest_customer	lowest_customer	average_customer
1	Mumbai	3089	1044	1001	1029.666667
2	new york	2045	1044	1001	1022.5
3	Bangalore	2662	1661	1001	1331
4	London	3884	1833	1007	1294.666667
5	Paris	1004	1004	1004	1004
6	Chicago	1987	1987	1987	1987
7	California	1661	1661	1661	1661
8	Chennai	1001	1001	1001	1001

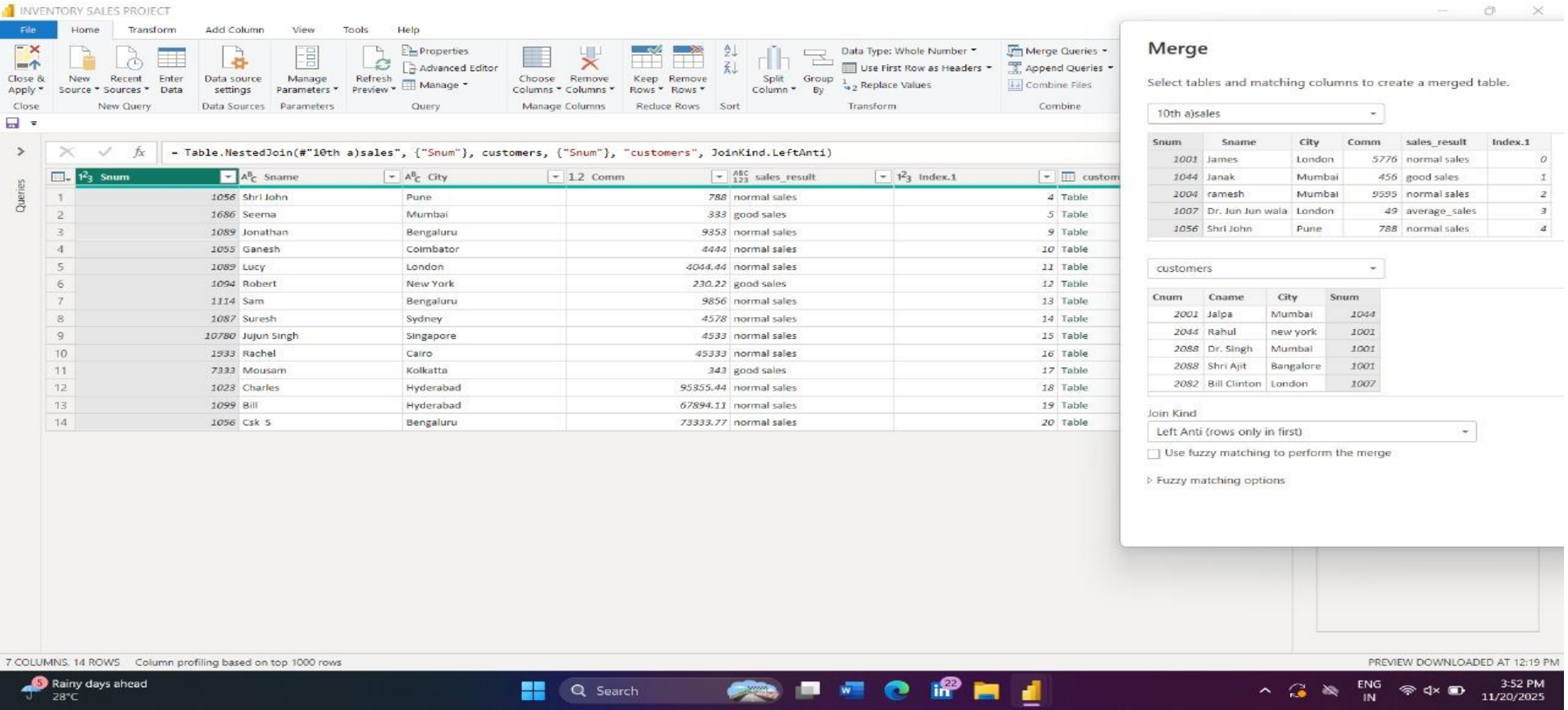




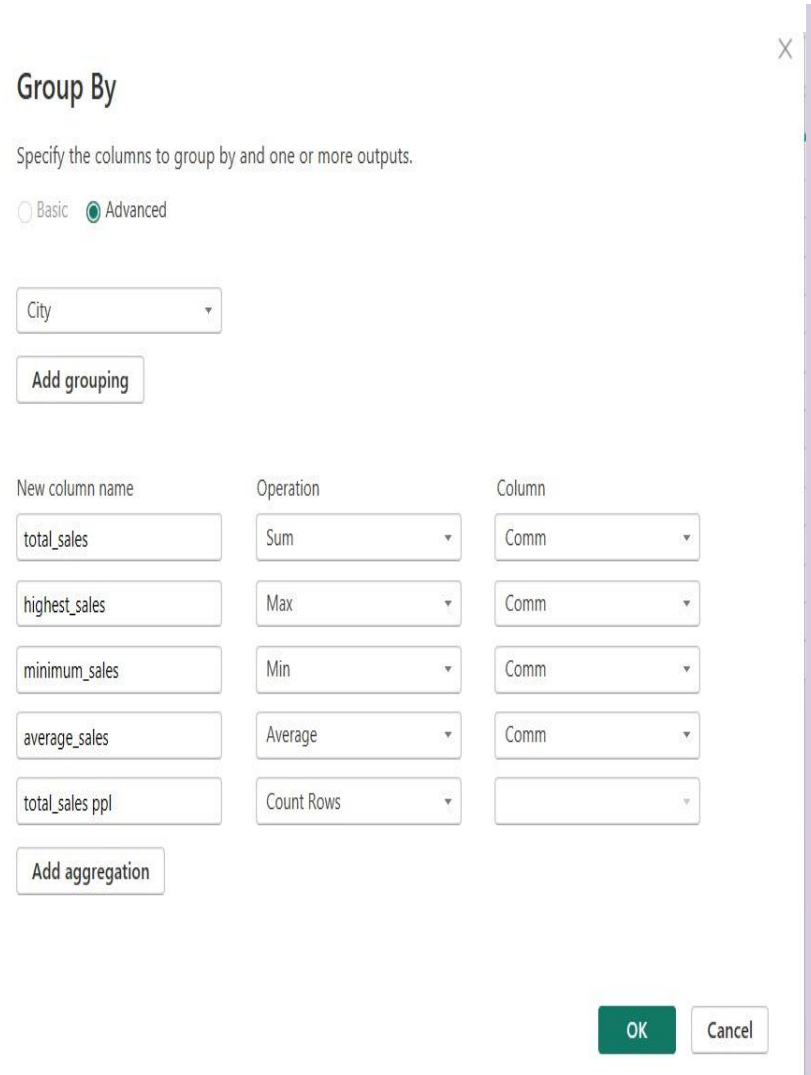
5)Create a merge query where you will display all customer who are performing

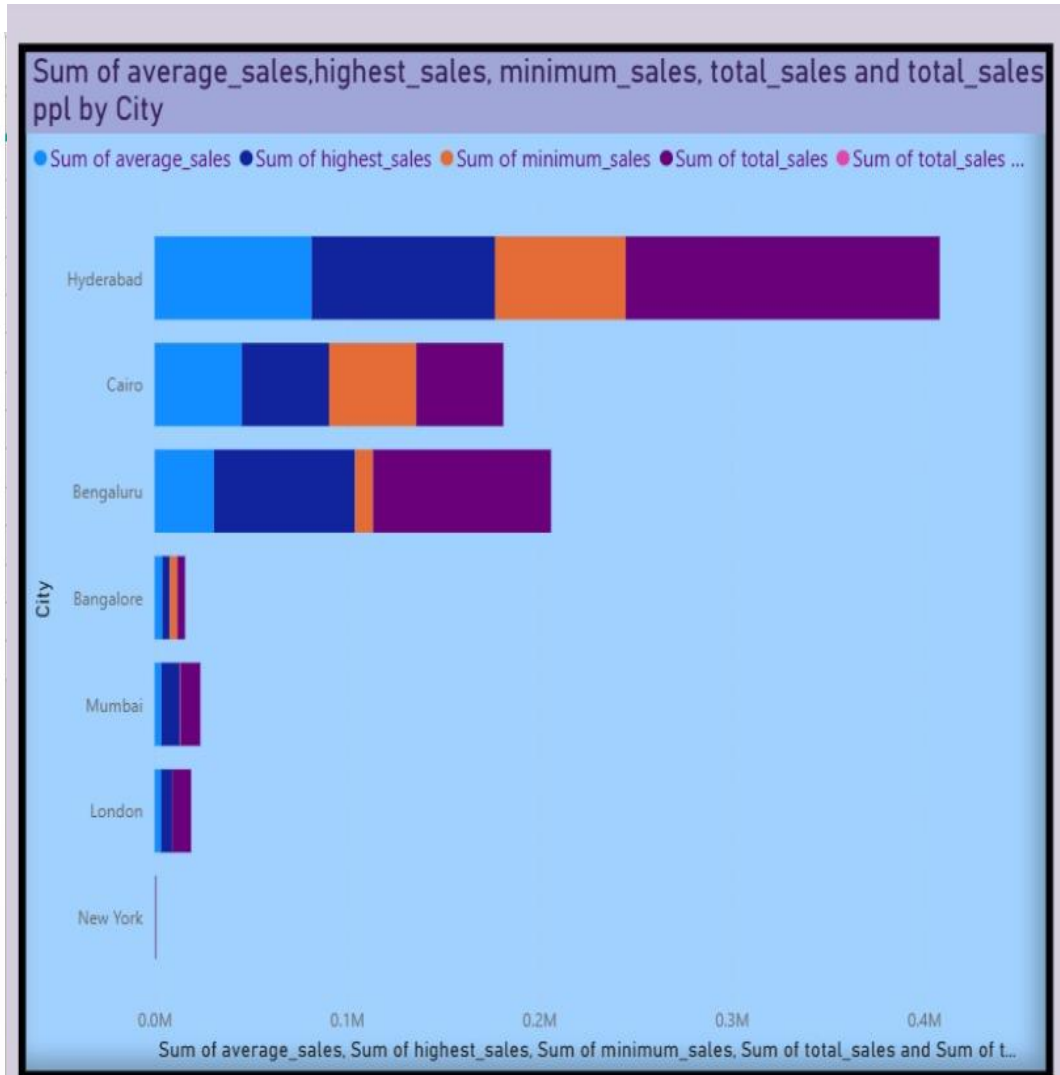


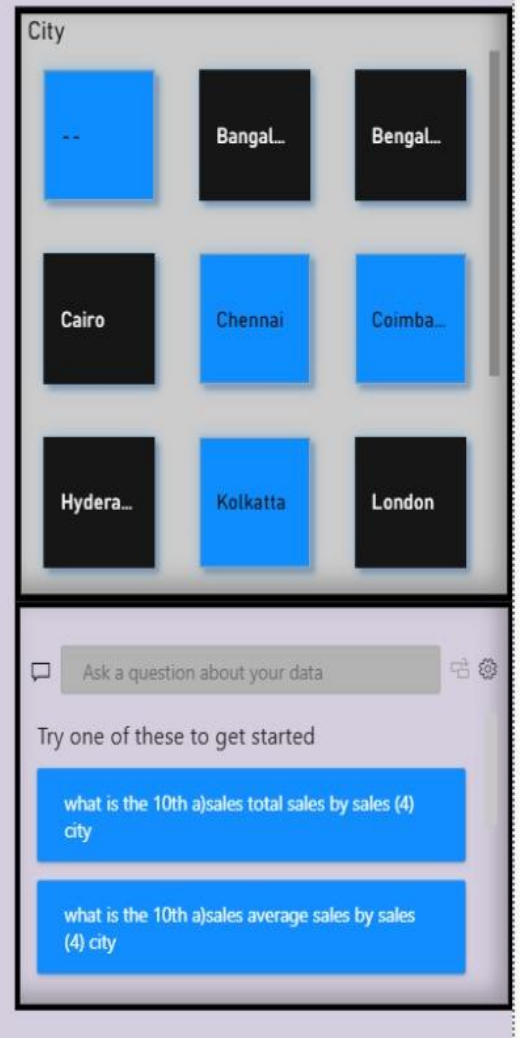
6)Create a merge query where you will display all those customer who are not performing



7)Create a bar chart where you will print the total,highest,average,minimum sales and total number of sales ppl working in each city

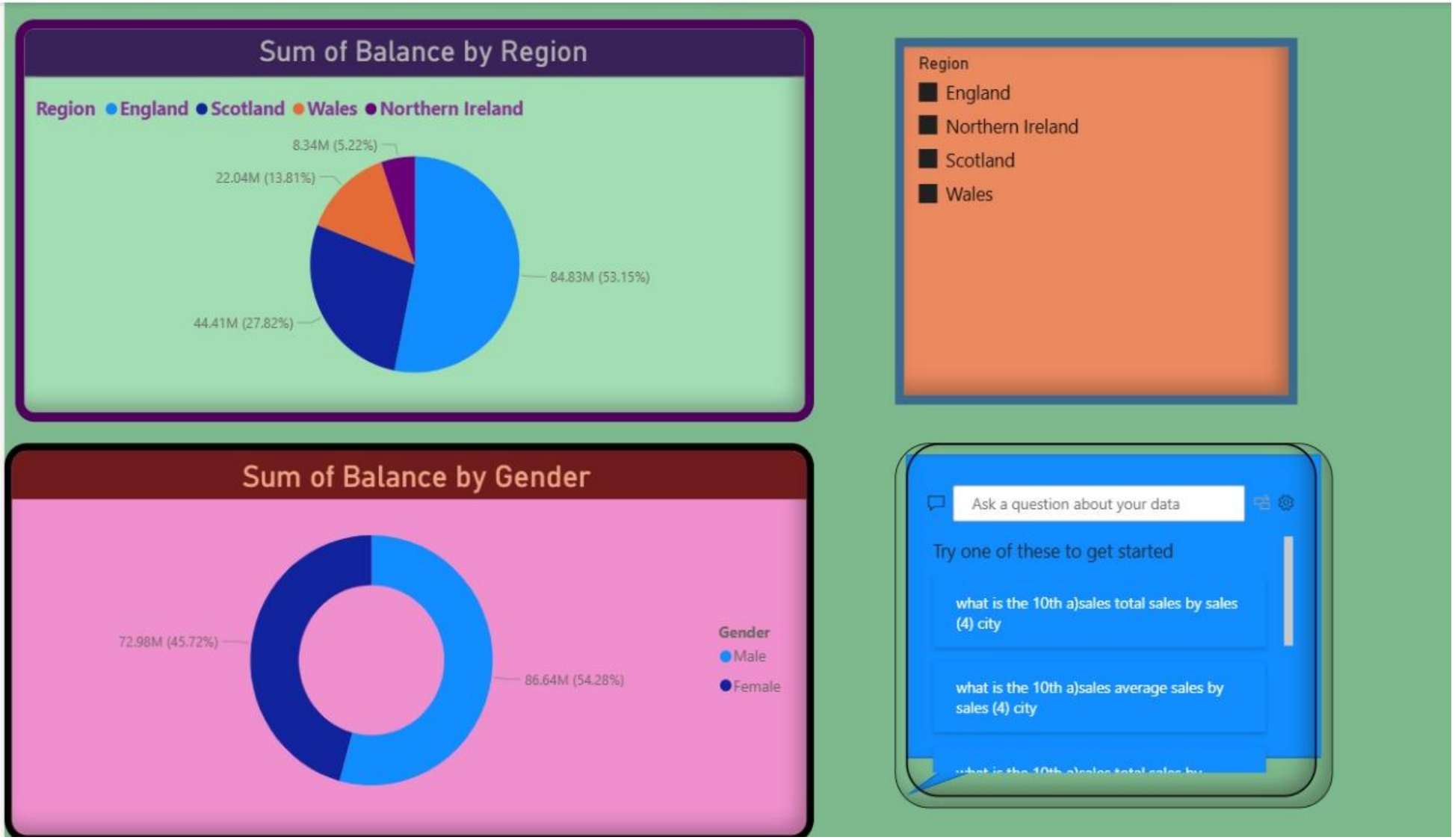






8)Create line chart using sales target data set and print the comparison of highest,lowest and actual sales using (button slicer or regular slicer)

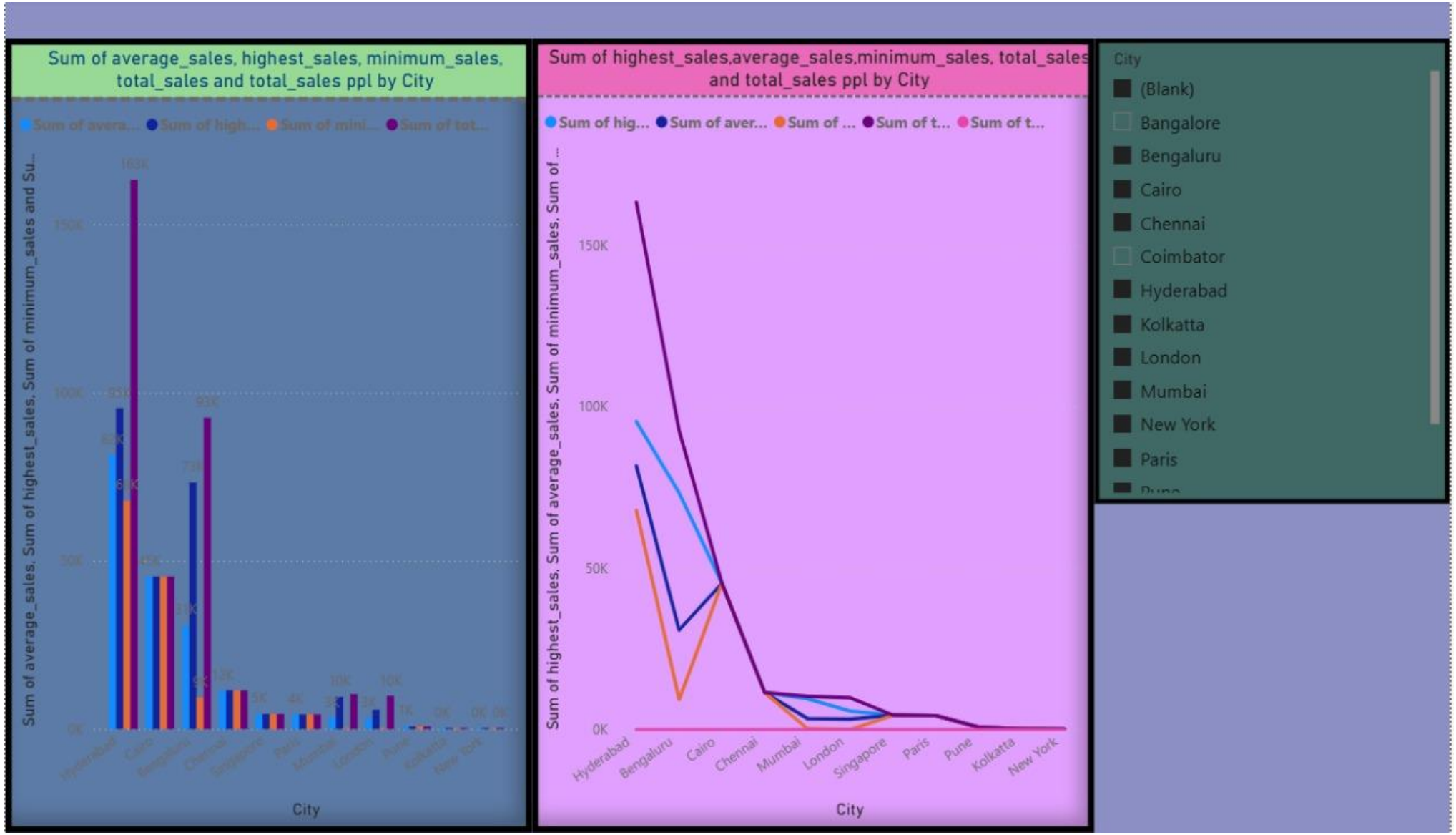
9)Create a dash board which will have a pie chart and donut chart region wise bank balance and gender wise bank balance



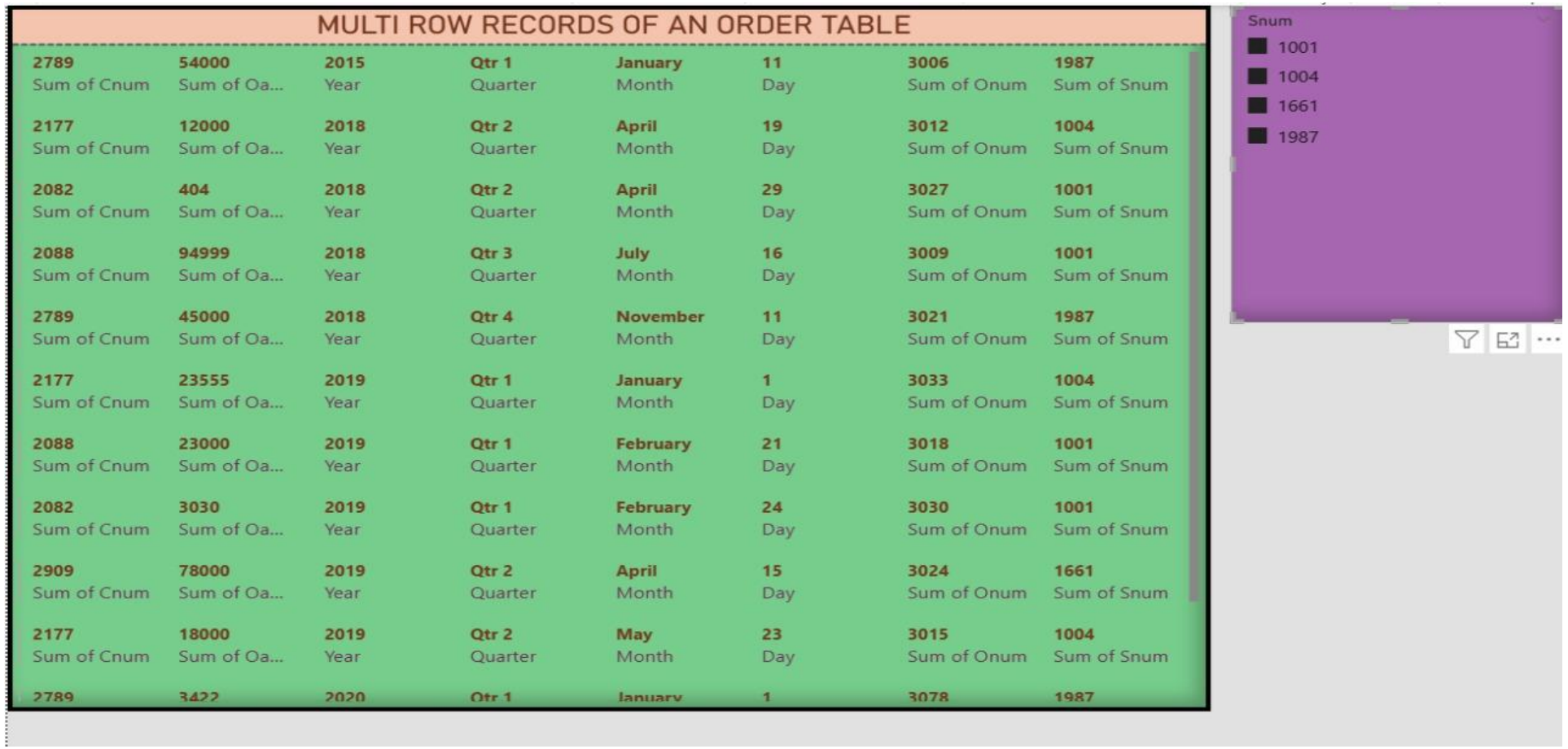
10 a)create a copy of the sales ppl data set and you will create the5 dax function(lowest,highest,average sale,total no of sales ppl and total insentives) 3 dax function stored in the column and 2 dax function to be the stored in measure

Snum	Sname	City	Comm	highest_sales	lowest_sales	TOTAL_INSENTIVES	sales_result	Index.1
1001	James	London	5776	95355.44	49	577.6	normal sales	0
1044	Janak	Mumbai	456	95355.44	49	45.6	good sales	1
1004	ramesh	Mumbai	9595	95355.44	49	959.5	normal sales	2
1007	Dr. Jun Jun wala	London	49	95355.44	49	4.9	average_sales	3
1056	Shri John	Pune	788	95355.44	49	78.8	normal sales	4
1686	Seema	Mumbai	333	95355.44	49	33.3	good sales	5
1661	Suganya	Bangalore	3949	95355.44	49	394.9	normal sales	6
1833	Ram Kapoor	Chennai	11500	95355.44	49	1150	normal sales	7
1987	Ridhi	Paris	4392	95355.44	49	439.2	normal sales	8
1089	Jonathan	Bengaluru	9353	95355.44	49	935.3	normal sales	9
1055	Ganesh	Coimbator	4444	95355.44	49	444.4	normal sales	10
1089	Lucy	London	4044.44	95355.44	49	404.444	normal sales	11
1094	Robert	New York	230.22	95355.44	49	23.022	good sales	12
1114	Sam	Bengaluru	9856	95355.44	49	985.6	normal sales	13
1087	Suresh	Sydney	4578	95355.44	49	457.8	normal sales	14
10780	Jujun Singh	Singapore	4533	95355.44	49	453.3	normal sales	15
1933	Rachel	Cairo	45333	95355.44	49	4533.3	normal sales	16
7333	Mousam	Kolkatta	343	95355.44	49	34.3	good sales	17
1023	Charles	Hyderabad	95355.44	95355.44	49	9535.544	normal sales	18
1099	Bill	Hyderabad	67894.11	95355.44	49	6789.411	normal sales	19
1056	Csk S	Bengaluru	73333.77	95355.44	49	7333.377	normal sales	20

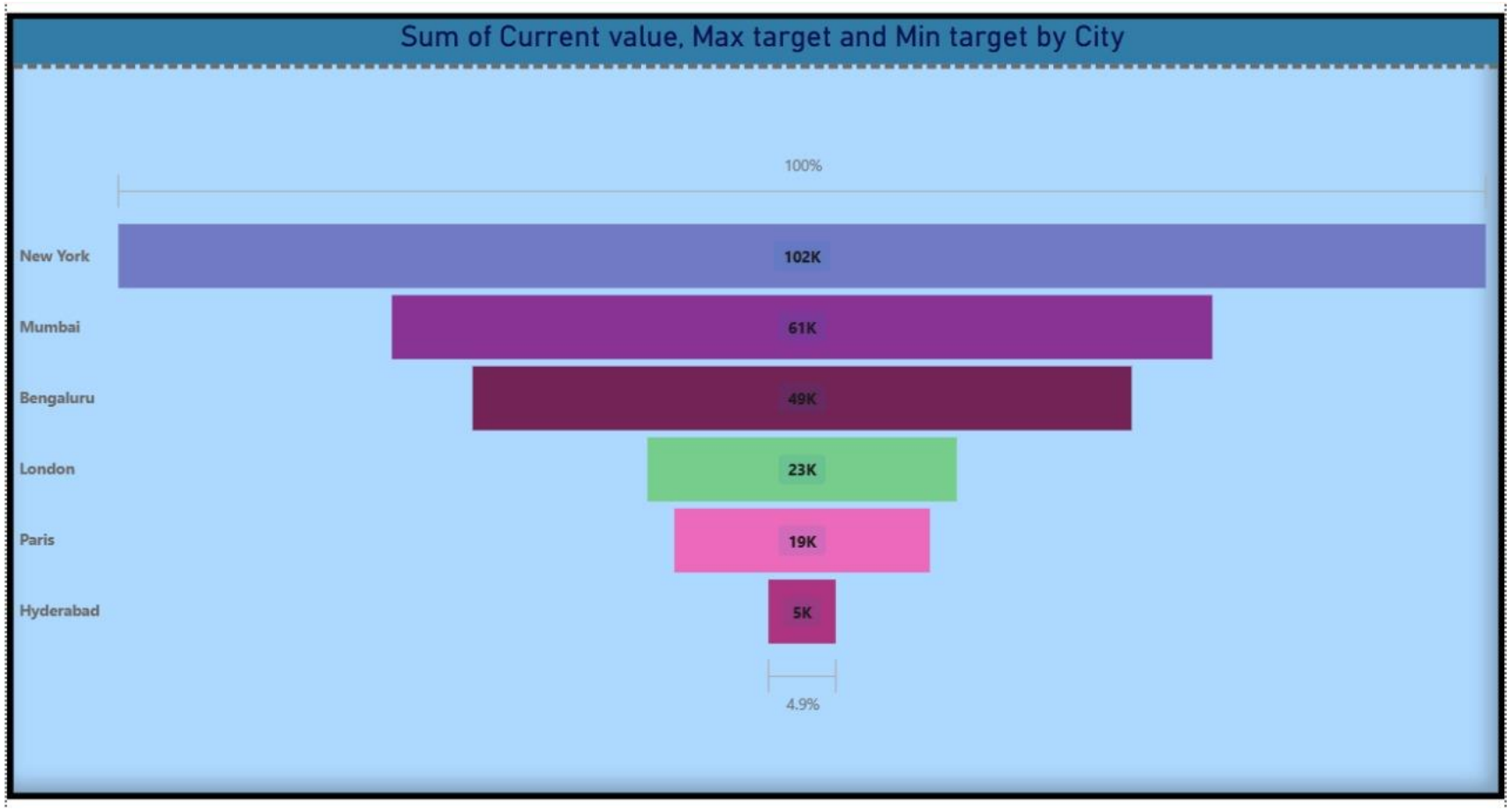
10 b) you will create a clustered column and line chart and store in the new power bi fille to create a separate dashboard and add normal slicer to it



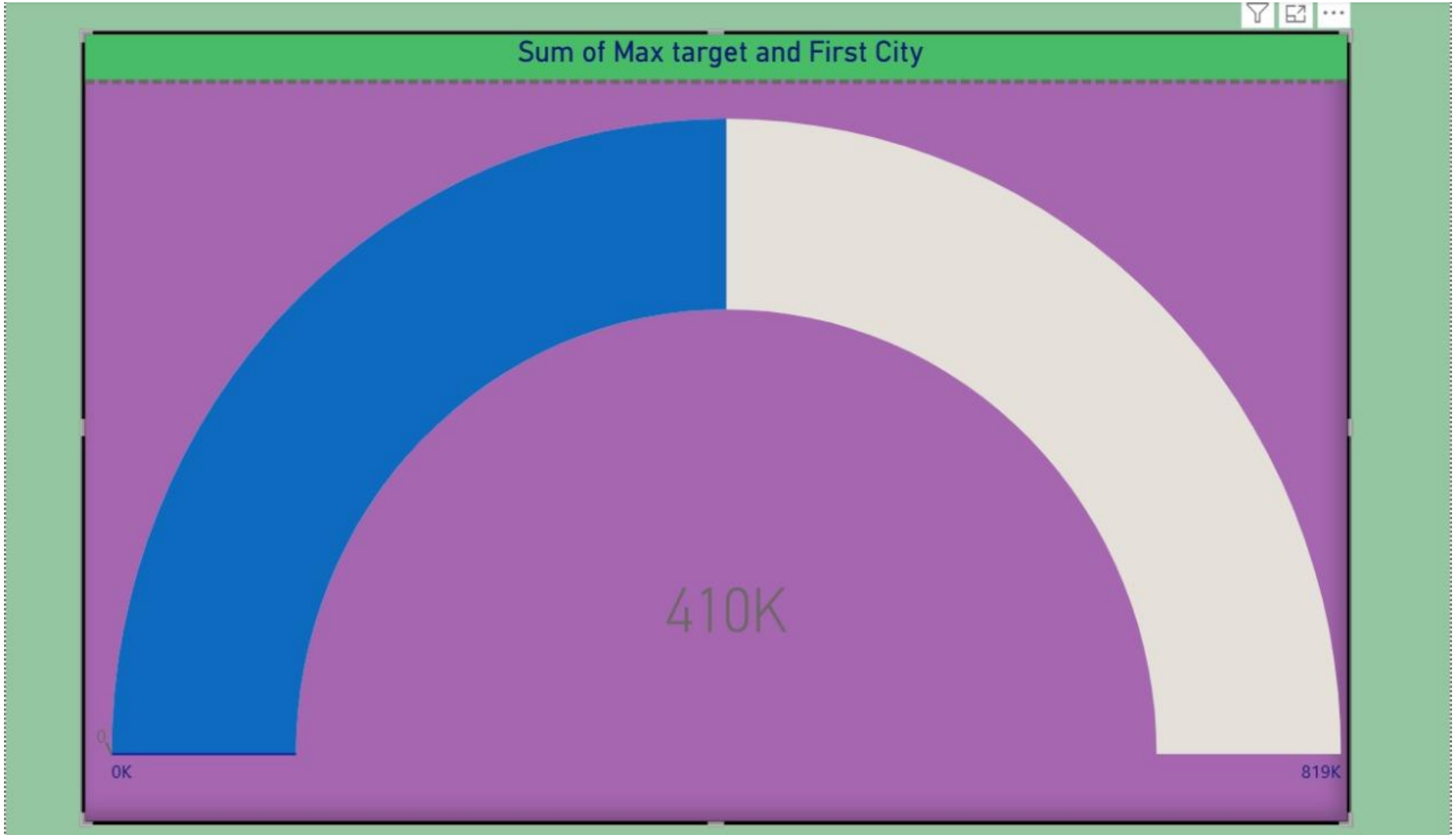
11) Create a new of power bi for multi row record and another page in the same dashboard will have tables and add slicer to it



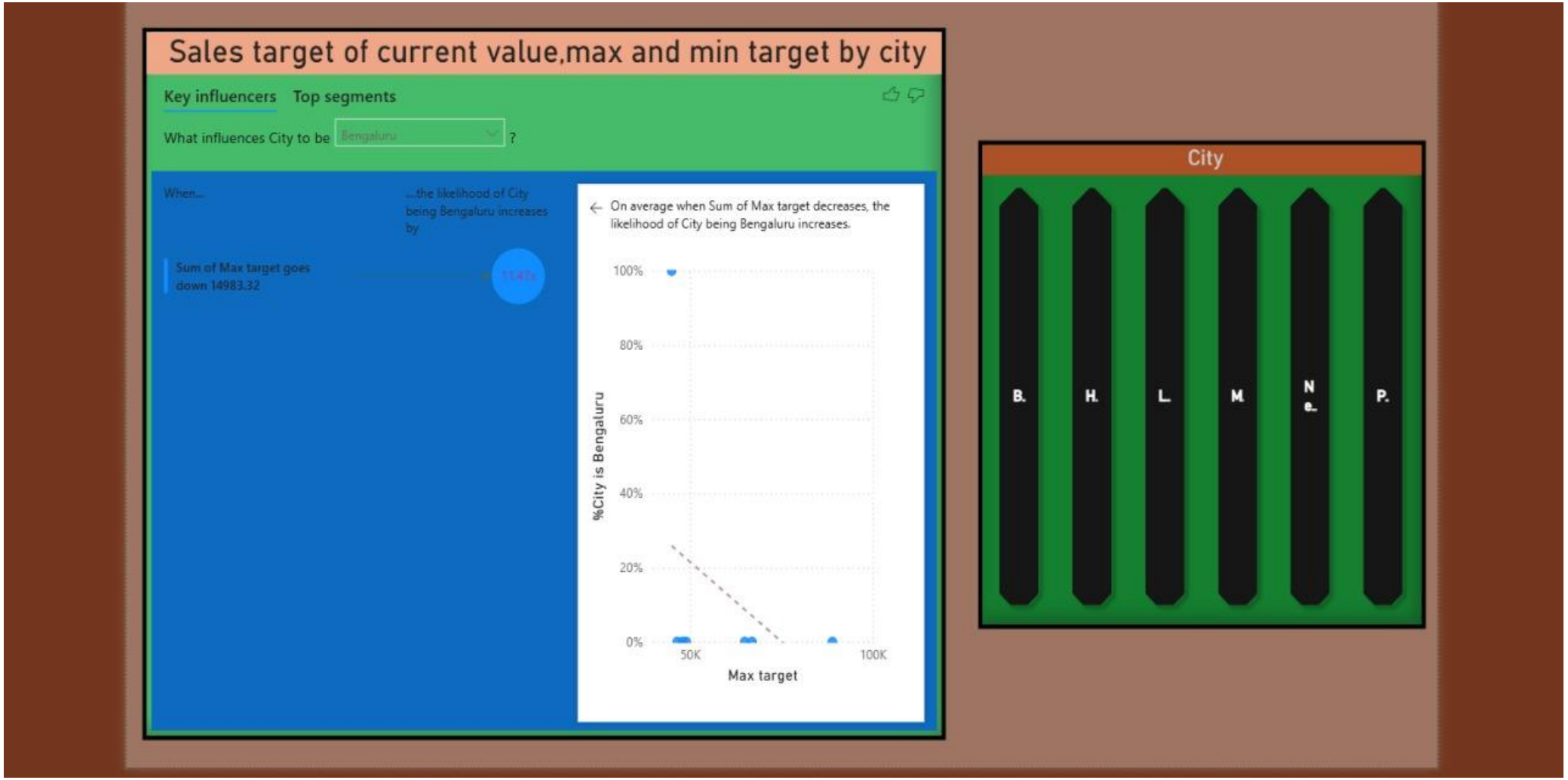
Create a funnel chart using (sales_target data sets)



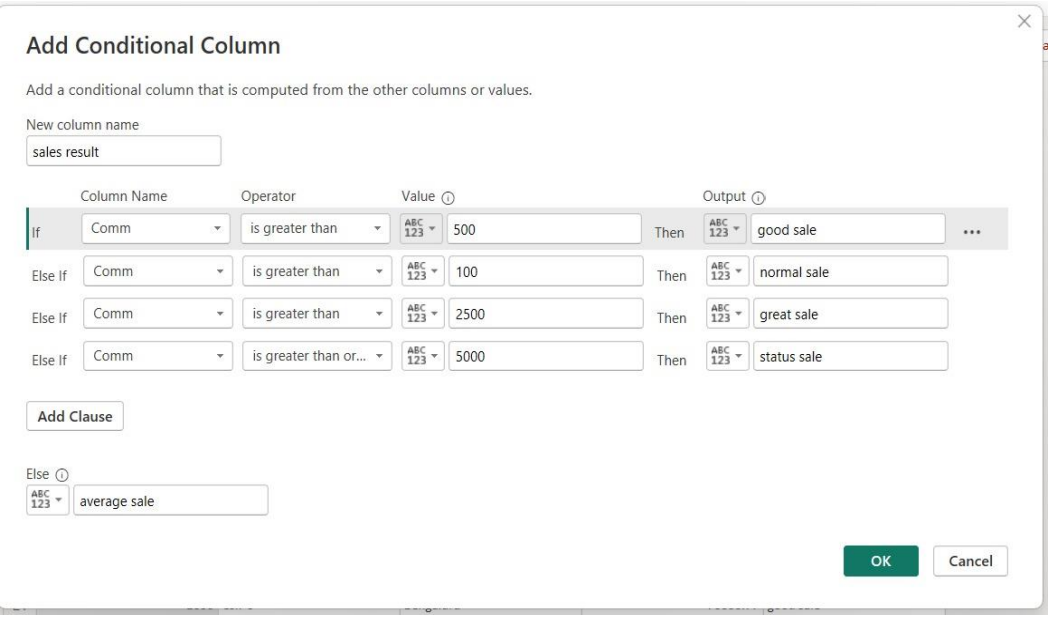
13) Prepare a gauge chart with sales_target data set/data sets



14)Prepare a key influencer chart with slicer



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




```
= Table.AddIndexColumn(#"Added Conditional Column", "Index", 4, 2, Int64.Type)
```

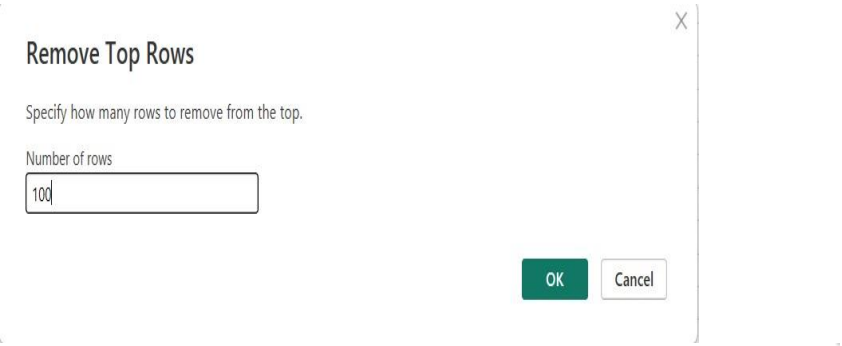
	Snum	Sname	City	Comm	sales result	Index
1	1001	James	London	5776	good sale	4
2	1044	Janak	Mumbai	456	normal sale	6
3	1004	ramesh	Mumbai	9595	good sale	8
4	1007	Dr. Jun Jun wala	London	49	average sale	10
5	1056	Shri John	Pune	788	good sale	12
6	1686	Seema	Mumbai	333	normal sale	14
7	1661	Suganya	Bangalore	3949	good sale	16
8	1833	Ram Kapoor	Chennai	11500	good sale	18
9	1987	Ridhi	Paris	4392	good sale	20
10	1089	Jonathan	Bengaluru	9353	good sale	22
11	1055	Ganesh	Coimbator	4444	good sale	24
12	1089	Lucy	London	4044.44	good sale	26
13	1094	Robert	New York	230.22	normal sale	28
14	1114	Sam	Bengaluru	9856	good sale	30
15	1087	Suresh	Sydney	4578	good sale	32
16	10780	Jujun Singh	Singapore	4533	good sale	34
17	1933	Rachel	Cairo	45333	good sale	36
18	7333	Mousam	Kolkatta	343	normal sale	38
19	1023	Charles	Hyderabad	95355.44	good sale	40
20	1099	Bill	Hyderabad	67894.11	good sale	42
21	1056	Csk S	Bengaluru	73333.77	good sale	44

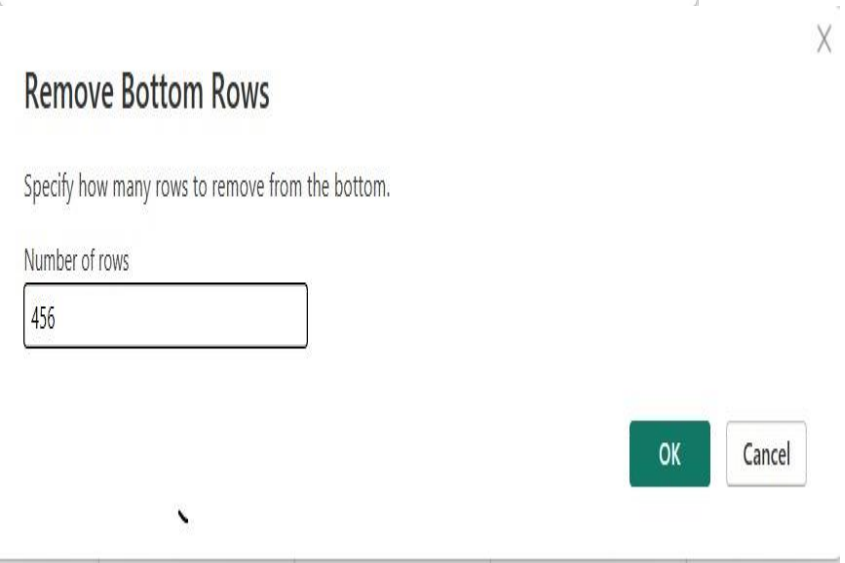
15)

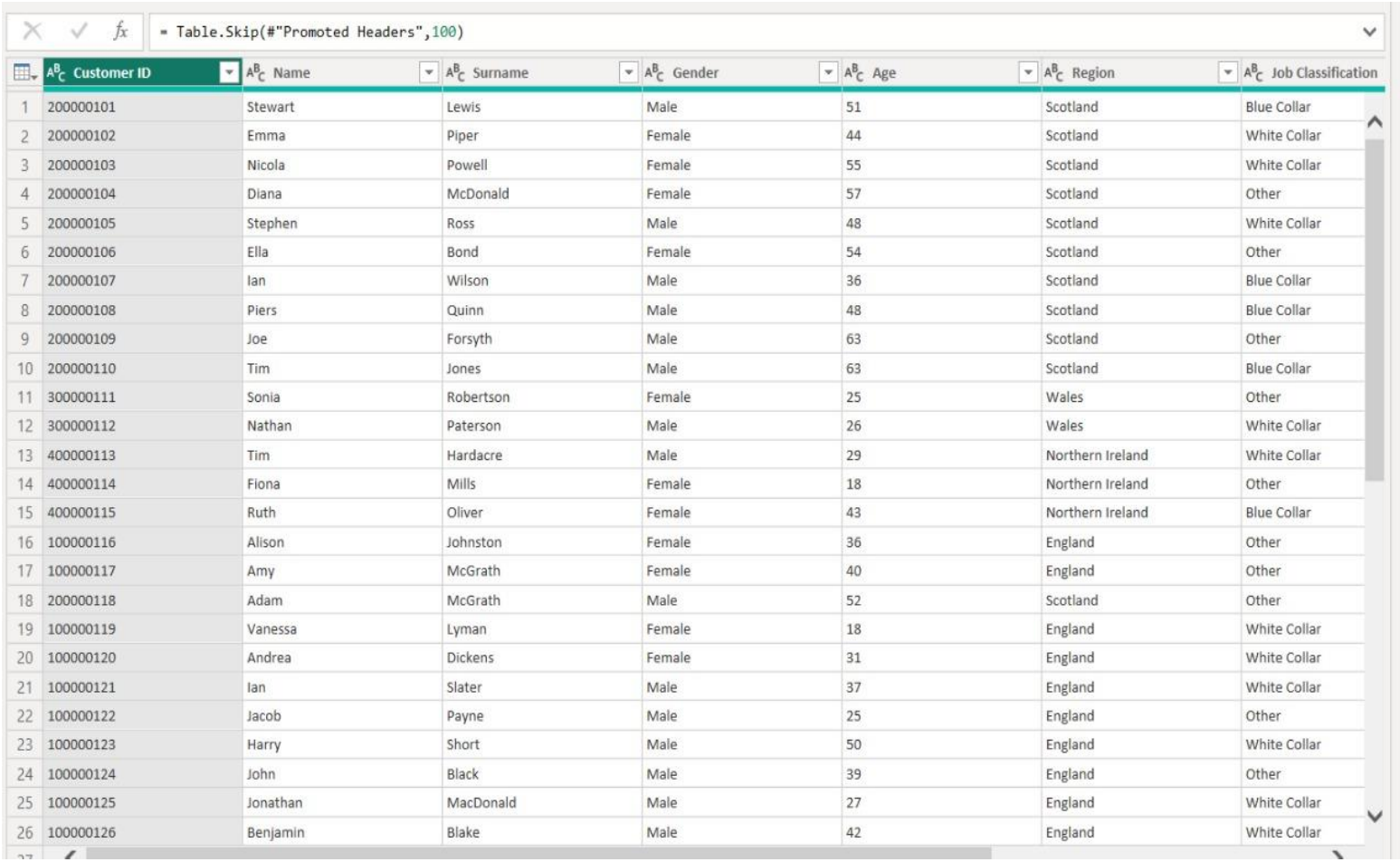
```
= Table.SplitColumn(#"Duplicated Column", "Sname - Copy", Splitter.SplitTextByDelimiter(" ", QuoteStyle.Csv), {"Sname - Copy.1", "Sname -
```

	ım	sales result	Index	Sname - Copy.1	Sname - Copy.2	Sname - Copy.3	Sname - Copy.4
1	5776	good sale	4	James	null	null	null
2	456	normal sale	6	Janak	null	null	null
3	9595	good sale	8	ramesh	null	null	null
4	49	average sale	10	Dr.	Jun	Jun	wala
5	788	good sale	12	Shri	John	null	null
6	333	normal sale	14	Seema	null	null	null
7	3949	good sale	16	Suganya	null	null	null
8	11500	good sale	18	Ram	Kapoor	null	null
9	4392	good sale	20	Ridhi	null	null	null
10	9353	good sale	22	Jonathan	null	null	null
11	4444	good sale	24	Ganesh	null	null	null
12	4044.44	good sale	26	Lucy	null	null	null
13	230.22	normal sale	28	Robert	null	null	null
14	9856	good sale	30	Sam	null	null	null
15	4578	good sale	32	Suresh	null	null	null
16	4533	good sale	34	Jujun	Singh	null	null
17	45333	good sale	36	Rachel	null	null	null
18	343	normal sale	38	Mousam	null	null	null
19	95355.44	good sale	40	Charles	null	null	null
20	67894.11	good sale	42	Bill		null	null
21	73333.77	good sale	44	Csk		S	null

16)In bank customer data set remove 100 rows and remove last 456 rows

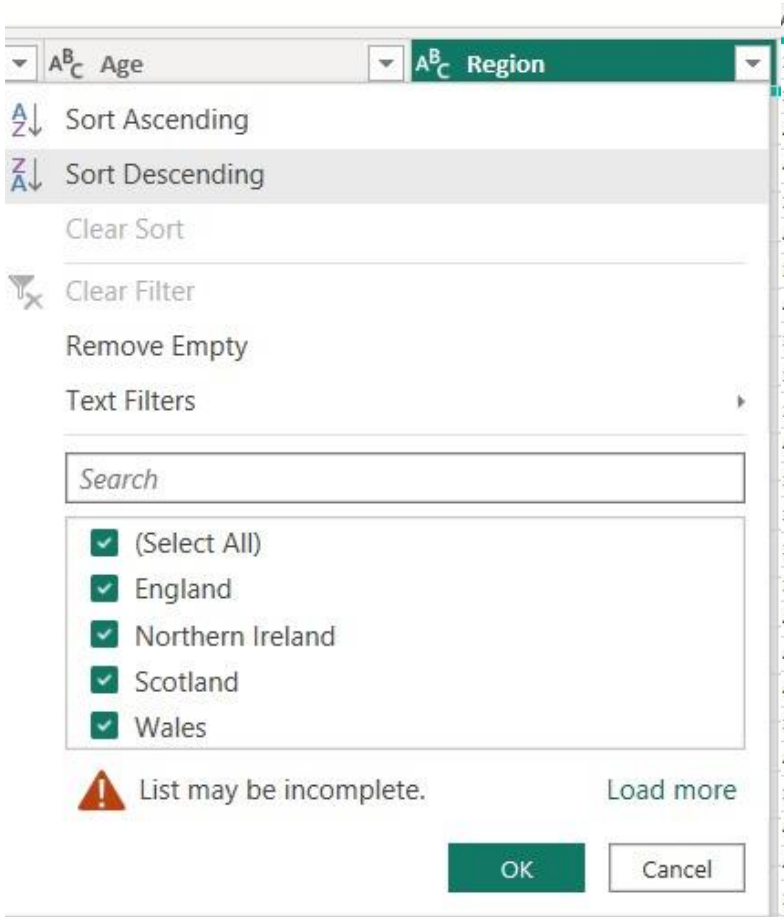






	Customer ID	Name	Surname	Gender	Age	Region	Job Classification
1	200000101	Stewart	Lewis	Male	51	Scotland	Blue Collar
2	200000102	Emma	Piper	Female	44	Scotland	White Collar
3	200000103	Nicola	Powell	Female	55	Scotland	White Collar
4	200000104	Diana	McDonald	Female	57	Scotland	Other
5	200000105	Stephen	Ross	Male	48	Scotland	White Collar
6	200000106	Ella	Bond	Female	54	Scotland	Other
7	200000107	Ian	Wilson	Male	36	Scotland	Blue Collar
8	200000108	Piers	Quinn	Male	48	Scotland	Blue Collar
9	200000109	Joe	Forsyth	Male	63	Scotland	Other
10	200000110	Tim	Jones	Male	63	Scotland	Blue Collar
11	300000111	Sonia	Robertson	Female	25	Wales	Other
12	300000112	Nathan	Paterson	Male	26	Wales	White Collar
13	400000113	Tim	Hardacre	Male	29	Northern Ireland	White Collar
14	400000114	Fiona	Mills	Female	18	Northern Ireland	Other
15	400000115	Ruth	Oliver	Female	43	Northern Ireland	Blue Collar
16	100000116	Alison	Johnston	Female	36	England	Other
17	100000117	Amy	McGrath	Female	40	England	Other
18	200000118	Adam	McGrath	Male	52	Scotland	Other
19	100000119	Vanessa	Lyman	Female	18	England	White Collar
20	100000120	Andrea	Dickens	Female	31	England	White Collar
21	100000121	Ian	Slater	Male	37	England	White Collar
22	100000122	Jacob	Payne	Male	25	England	Other
23	100000123	Harry	Short	Male	50	England	White Collar
24	100000124	John	Black	Male	39	England	Other
25	100000125	Jonathan	MacDonald	Male	27	England	White Collar
26	100000126	Benjamin	Blake	Male	42	England	White Collar

Applying sorting on the region column



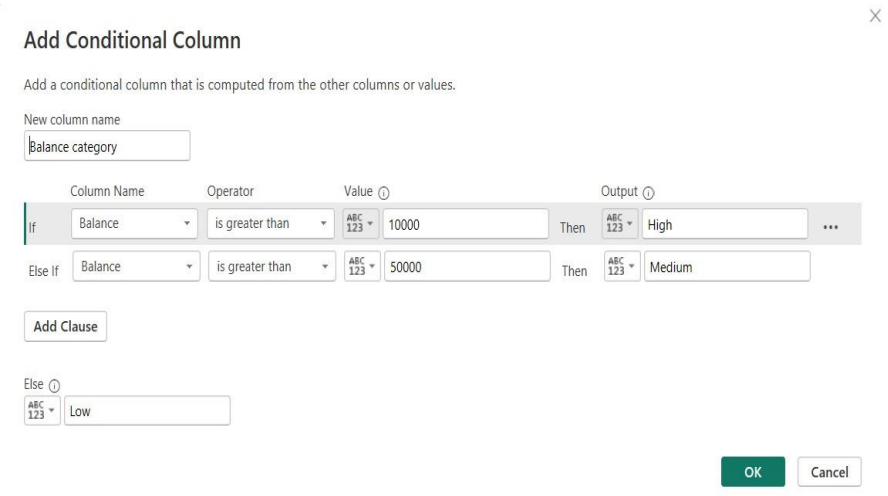
Age	Region	Job Classification	Date Joined	Balance
28	England	Blue Collar	30.Dec.15	68518.55
32	England	White Collar	09.May.15	4285.6
40	England	White Collar	22.Apr.15	25248.37
46	England	White Collar	30.Dec.15	85331.69
26	England	White Collar	02.Apr.15	12994.18
42	England	Blue Collar	13.Jul.15	25710.04
29	England	White Collar	08.Apr.15	22659.88
44	England	White Collar	14.Jun.15	19645.17
32	England	White Collar	05.Apr.15	51576.88
34	England	White Collar	26.Jun.15	40109.99
27	England	White Collar	26.Dec.15	33463.13
43	England	White Collar	16.Apr.15	25542.15
39	England	White Collar	17.Apr.15	45135.16
38	England	White Collar	07.May.15	120732.35
30	England	White Collar	31.Jul.15	68336.84
24	England	Other	10.May.15	77908.67
40	England	White Collar	12.May.15	15488.15
41	England	White Collar	05.Apr.15	51707.8
43	England	White Collar	11.Aug.15	36694.01
32	England	Other	15.May.15	44609.05
43	England	White Collar	24.Apr.15	33311.31
37	England	White Collar	26.Apr.15	5611.36
49	England	Blue Collar	16.Jul.15	36294.12
47	England	White Collar	01.Apr.15	15093.04
26	England	White Collar	14.Sep.15	2849.16
50	England	White Collar	26.Dec.15	16041.11

Split the column job classification after making the duplicate by using the 1st delimiter called space

```
= Table.AddColumn(#"Added Index", "Balance category", each if [Balance] > 10000 then "High" else if [Balance] > 50000 then "Medium" else "Low")
```

	Date Joined	Balance	Job Classification - Copy.1	Job Classification - Copy.2	Index	Balance category
1	11/27/2015	23372.89	Other	null	5	High
2	8/25/2015	75332.4	White	Collar	7	High
3	8/25/2015	43670.72	White	Collar	9	High
4	11/16/2015	2479.52	White	Collar	11	Low
5	11/16/2015	20238.28	White	Collar	13	High
6	11/16/2015	9161.15	White	Collar	15	Low
7	11/16/2015	50609.43	White	Collar	17	High
8	8/25/2015	31706.03	Other	null	19	High
9	11/16/2015	57099.28	Other	null	21	High
10	8/26/2015	12728.29	White	Collar	23	High
11	8/26/2015	82862.73	White	Collar	25	High
12	8/26/2015	27683.73	Other	null	27	High
13	8/26/2015	142461.87	White	Collar	29	High
14	8/26/2015	46762.44	White	Collar	31	High
15	8/26/2015	34984.35	Blue	Collar	33	High
16	8/26/2015	27049.56	Other	null	35	High
17	8/25/2015	1387.14	White	Collar	37	Low
18	8/25/2015	58955.8	Other	null	39	High
19	11/17/2015	33535.24	White	Collar	41	High
20	11/17/2015	82688.19	Other	null	43	High
21	11/17/2015	38098.76	White	Collar	45	High
22	11/17/2015	5040.5	Blue	Collar	47	Low
23	11/17/2015	37670.59	White	Collar	49	High
24	8/24/2015	50953.26	Other	null	51	High
25	8/24/2015	6016.04	Other	null	53	Low
26	8/24/2015	98261.13	White	Collar	55	High

Applying index and applying conditional column on bank balance column




```
= Table.AddColumn(#"Added Index", "Balance category", each if [Balance] > 10000 then "High" else if [Balance] > 50000 then "Medium" else "Low")
```

	Date Joined	Balance	Job Classification - Copy.1	Job Classification - Copy.2	Index	Balance category
1	11/27/2015	23372.89	Other	null	5	High
2	8/25/2015	75332.4	White	Collar	7	High
3	8/25/2015	43670.72	White	Collar	9	High
4	11/16/2015	2479.52	White	Collar	11	Low
5	11/16/2015	20238.28	White	Collar	13	High
6	11/16/2015	9161.15	White	Collar	15	Low
7	11/16/2015	50609.43	White	Collar	17	High
8	8/25/2015	31706.03	Other	null	19	High
9	11/16/2015	57099.28	Other	null	21	High
10	8/26/2015	12728.29	White	Collar	23	High
11	8/26/2015	82862.73	White	Collar	25	High
12	8/26/2015	27683.73	Other	null	27	High
13	8/26/2015	142461.87	White	Collar	29	High
14	8/26/2015	46762.44	White	Collar	31	High
15	8/26/2015	34984.35	Blue	Collar	33	High
16	8/26/2015	27049.56	Other	null	35	High
17	8/25/2015	1387.14	White	Collar	37	Low
18	8/25/2015	58955.8	Other	null	39	High
19	11/17/2015	33535.24	White	Collar	41	High
20	11/17/2015	82688.19	Other	null	43	High
21	11/17/2015	38098.76	White	Collar	45	High
22	11/17/2015	5040.5	Blue	Collar	47	Low
23	11/17/2015	37670.59	White	Collar	49	High
24	8/24/2015	50953.26	Other	null	51	High
25	8/24/2015	6016.04	Other	null	53	Low
26	8/24/2015	98261.13	White	Collar	55	High
27						