Enter the group members name list (must be 3 to 5 members only) here.

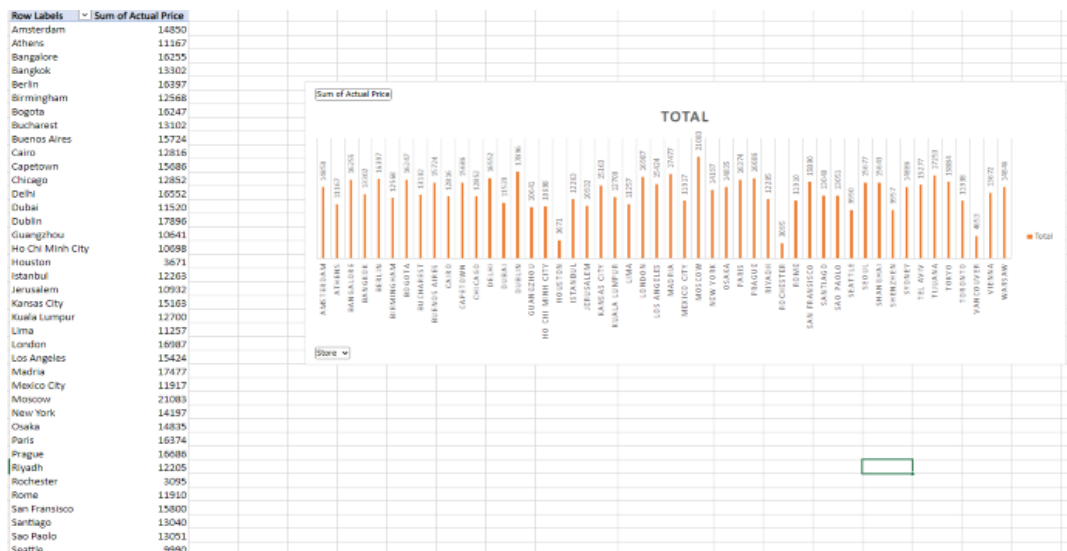| No.	Student's Name	Student's ID
1.	Pikesh Maharjan	23112012

Lecturer Name   : Abhishek Paudel

Subject Code & Title   : Data Analytics Visualization (DAV234)

Semester & Intake   : 2nd semester

Assignment Topic   : EXCEL VIsualization

Announcement Date   : 26 Dec,2023

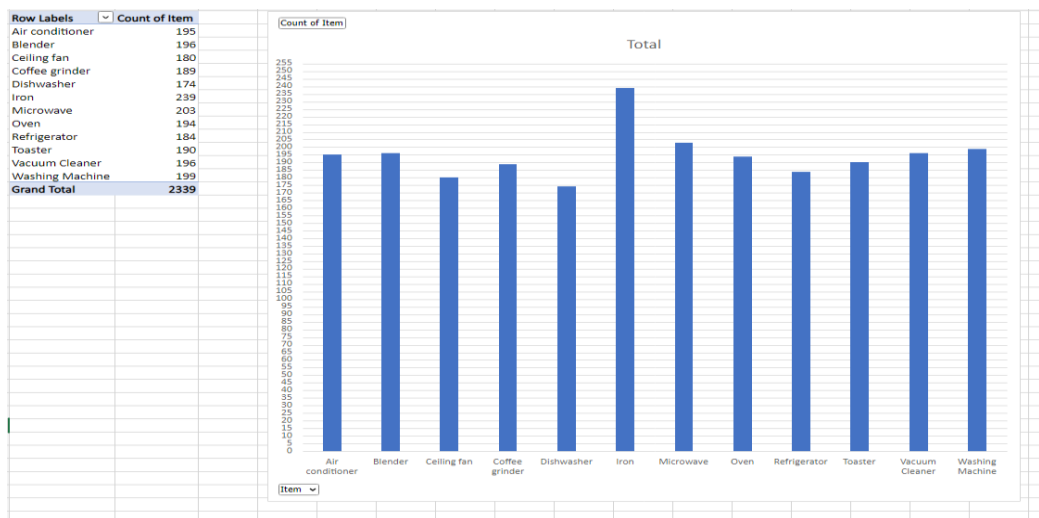Submission Date   :   1/4/2024

ATTENTION:

1) 1 day late from the date of submission - 25% will be deducted.

   2 days late from the date of submission - 50% will be deducted.

   More than 2 days late from the date of submission - "0"grade will be awarded

1   How much in $ did you sell in each city?

Row Labels	Sum of Actual Price
Amsterdam	14850
Athens	11167
Bangalore	16255
Bangkok	13302
Berlin	16397
Birmingham	12568
Bogota	16247
Bucharest	13102
Buenos Aires	15724
Cairo	12816
Capetown	15686
Chicago	12852
Delhi	16552
Dubai	11520
Dublin	17896
Guangzhou	10641
Ho Chi Minh City	10698
Houston	3671
Istanbul	12263
Jerusalem	10932
Kansas City	15163
Kuala Lumpur	12700
Lima	11257
London	16987
Los Angeles	15424
Madria	17477
Mexico City	11917
Moscow	21083
New York	14197
Osaka	14835
Paris	16374
Prague	16686
Riyadh	12205
Rochester	3095
Rome	11910
San Fransisco	15800
Santiago	13040
Sao Paolo	13051
Seattle	9990

2   How many items were sold by your company Per each home appliance item?

Row Labels	Count of Item
Air conditioner	195
Blender	196
Ceiling fan	180
Coffee grinder	189
Dishwasher	174
Iron	239
Microwave	203
Oven	194
Refrigerator	184
Toaster	190
Vacuum Cleaner	196
Washing Machine	199
Grand Total	2339

3   Now, create a table which shows a breakdown of Total Revenue from each of Items Sold (in Rows), and the Regions each item was sold (in Columns).

Sum of Actual Price	Column Labels				
Row Labels	APAC	EMEA	LATAM	NA	Grand Total
Air conditioner	33306	51576	16282	21259	122423
Blender	1939	3886	1504	1390	8719
Ceiling fan	5462	11194	3298	4572	24526
Coffee grinder	3319	4910	1655	1972	11856
Dishwasher	16220	40105	11890	8990	77205
Iron	1633	2682	944	1204	6463
Microwave	3836	6412	2099	2211	14558
Oven	23760	38665	15295	18345	96065
Refrigerator	36610	66030	19170	18420	140230
Toaster	1987	3239	1351	1948	8525
Vacuum Cleaner	9238	20143	7249	7136	43766
Washing Machine	29720	56872	17752	19336	123680
Grand Total	167030	######	98489	106783	678016

4   Now, based on your last Pivot Table, Apply filter so only Microwave, Oven and Refrigerators will show in "Item". Additionally, remove NA from the "Region" field.

Sum of Actual Price	Column Labels			
Row Labels	APAC	EMEA	LATAM	Grand Total
Microwave	3836	6412	2099	12347
Oven	23760	38665	15295	77720
Refrigerator	36610	66030	19170	121810
Grand Total	64206	######	36564	211877

5   Now, show the Average Discount % per Sales Person.
Apply an external filter that will show only sales made in Columbia. Ascending Order.
        Who's the best sales agent?

Country	Columbia ⛛
Salesperson ⌄	**Average of Discount %**
Gary Percival	0.06835
David Finnie	0.0816
Sandra Rew	0.1
Russell Thorley	0.105242857
Alison Lazar	0.1075
Paul Puri	0.11028
Margaret Buck	0.12145
Shelley Mannix	0.1281
Lisa Manning	0.147
Ronald Curtis	0.151733333
Philip Mishra	0.155
Antony Westlake	0.17
Basil Nolan	0.285
Grand Total	**0.133463158**

6   Create a report detailing the $ Sales by Region, Country and Store, in the following format:

	Sales			
1				
2	Region	Country	Store	Total
3	APAC	Australia	Sydney	14886
4	APAC	China	Guangzhou	10641
5	APAC	China	Shanghai	15643
6	APAC	China	Shenzhen	9957
7	APAC	India	Bangalore	16255
8	APAC	India	Delhi	16552
9	APAC	Japan	Osaka	14835
10	APAC	Japan	Tokyo	15884
11	APAC	Malaysia	Kuala Lumpur	12700
12	APAC	South Korea	Seoul	15677
13	APAC	Thailand	Bangkok	13302
14	APAC	Vietnam	Ho Chi Minh City	10698
15	EMEA	Austria	Vienna	13672
16	EMEA	Czech Republic	Prague	16686
17	EMEA	Egypt	Cairo	12816
18	EMEA	France	Paris	16374
19	EMEA	Germany	Berlin	16397
20	EMEA	Greece	Athens	11167
21	EMEA	Ireland	Dublin	17896
22	EMEA	Israel	Jerusalem	10932
23	EMEA	Israel	Tel Aviv	15277
24	EMEA	Italy	Rome	11910
25	EMEA	Netherlands	Amsterdam	14850
26	EMEA	Poland	Warsaw	14846
27	EMEA	Romania	Bucharest	13102
28	EMEA	Russia	Moscow	21083
29	EMEA	Saudi Arabia	Riyadh	12205
30	EMEA	South Africa	Capetown	15686
31	EMEA	Spain	Madria	17477
32	EMEA	Turkey	Istanbul	12263
33	EMEA	UAE	Dubai	11520
34	EMEA	UK	Birmingham	12568
35	EMEA	UK	London	16987
36	LATAM	Argentina	Buenos Aires	15724
37	LATAM	Brazil	Sao Paolo	13051
38	LATAM	Chile	Santiago	13040
39	LATAM	Columbia	Bogota	16247
40	LATAM	Mexico	Mexico City	11917
41	LATAM	Mexico	Tijuana	17253
42	LATAM	Peru	Lima	11257
43	NA	Canada	Toronto	11938
44	NA	Canada	Vancouver	4653
45	NA	USA	Chicago	12852
46	NA	USA	Houston	3671
47	NA	USA	Kansas City	15163
48	NA	USA	Los Angeles	15424
49	NA	USA	New York	14197
50	NA	USA	Rochester	3095
51	NA	USA	San Fransisco	15800
52	NA	USA	Seattle	9990
53				
54				
55				

7   Based on the table from the previous question, and without removing any field −
     How can you change the pivot to group the values to be shown on a Region basis only?

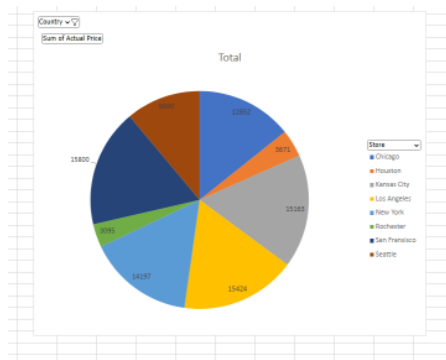| Row Labels	Sum of Total	C
APAC	167030	
EMEA	305714	
LATAM	98489	
NA	106783	
Grand Total	678016	

8. As part of a re-organization process, you have decided that NA (North America) and LATAM (Latin America) should be consolidated into one entity called "Americas". Rename the data accordingly to have the Pivot from previous question show the new "Americas" value instead of LATAM and NA.

Row Labels ⌄	Sum of Actual Price
Americas	205272
APAC	167030
EMEA	305714
Grand Total	678016

9 You found out that your Financial Controller, whom you fired last week for falling asleep during work hours, has ommitted the following transactions from APAC and EMEA from your books. Add them to the bottom of your data, and make sure that the last Pivot Table includes these rows!

	A	B	C	D
1	Row Labels ⌄	Sum of Actual Price		
2	Americas	205272		
3	APAC	167794		
4	EMEA	306351		
5	Grand Total	679417		
6				
7				

10 Create a Pie Chart showing the $ amount of sales per store in the USA.

11 Add a Slicer to your last Pivot Chart that allows you to filter your chart by Item.