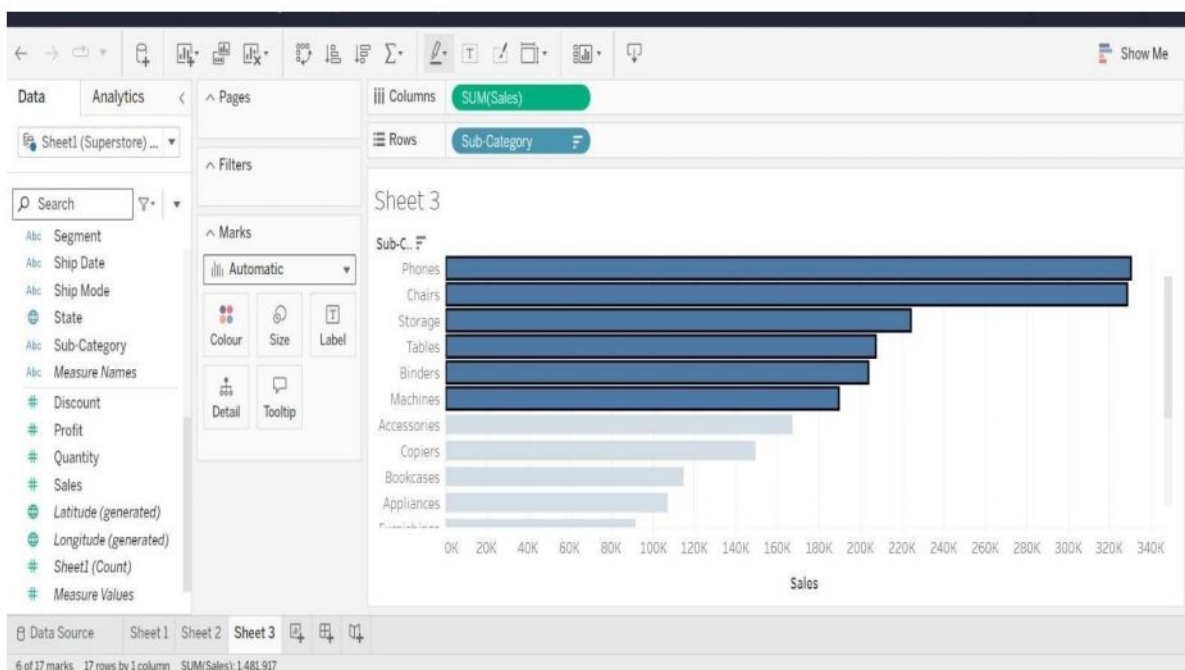
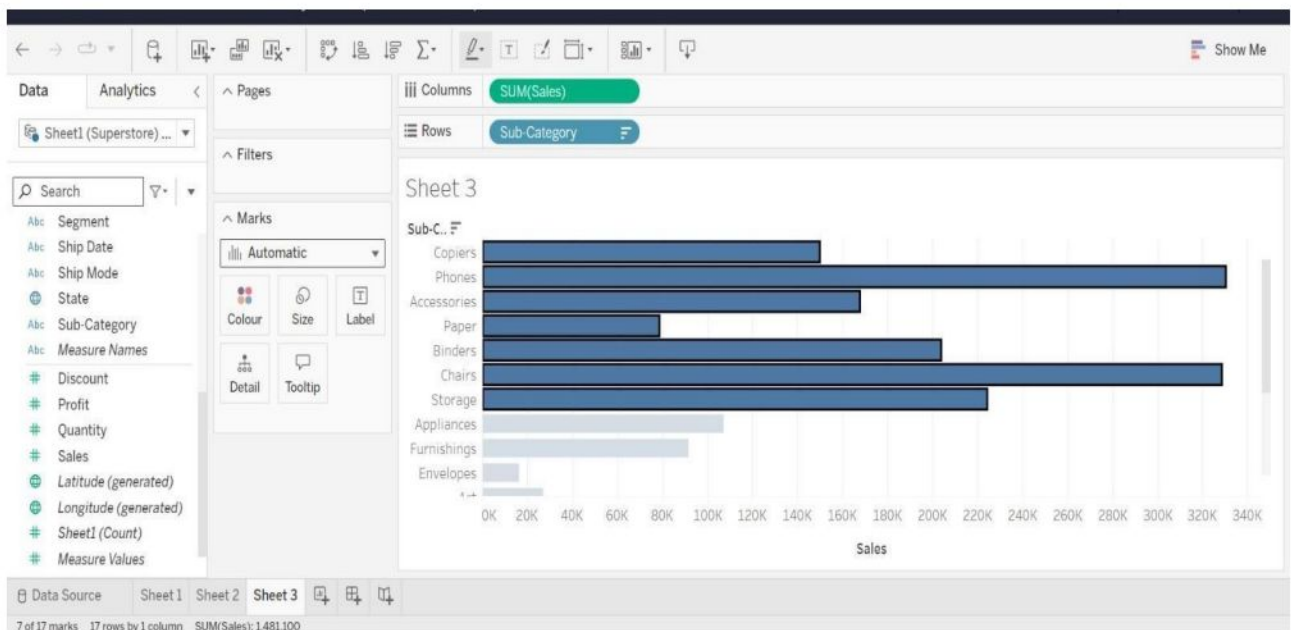


DA ASSIGNMENT-3

BAINI ASHA

SRI PADMAVATHI MAHILA VISVAVIDYALAYAM UNIVERSITY

1. Define at least two sets based on specific criteria from your dataset (e.g., high-value customers, top-performing products).



2. Experiment with combining sets using UNION, INTERSECT, and MINUS operations.

The screenshot shows the MySQL Workbench interface with a query window containing a UNION query. The query selects data from the `volleyball_players` and `football_players` tables, combining them into a single result set. The result grid displays the combined data, showing columns for `volleyball_id`, `player_name`, `age`, `football_id`, `player_name`, and `age`.

```
22 (2,'Ramesh',19),
23 (3,'Murali',21),
24 (4,'Venkat',18),
25 (5,'Anil',21);
26 * select * from volleyball_players;
27 * select * from football_players;
28 -- UNION
29 * select*
30 from volleyball_players as v
31 right join football_players as f on v.player_name=f.player_name;
32
```

volleyball_id	player_name	age	football_id	player_name	age
1	Ramesh	19	1	Balu	20
2	Ramesh	19	2	Ramesh	19
3	Murali	21	3	Murali	21
4	Venkat	18	4	Venkat	18
5	Anil	21	5	Anil	21

The screenshot shows the MySQL Workbench interface with a query window containing an incorrect INNER JOIN query. The query attempts to join the `volleyball_players` and `football_players` tables using an INNER JOIN, but it contains a syntax error in the ON clause. The result grid displays the combined data, showing columns for `volleyball_id`, `player_name`, `age`, `football_id`, `player_name`, and `age`.

```
1 * use players;
2 * select *from volleyball_players;
3 * select*
4 from volleyball_players
5 inner join football_players on volleyball_players.player_name-football_players.player_name;
```

volleyball_id	player_name	age	football_id	player_name	age
2	Ramesh	19	2	Ramesh	19
4	Venkat	18	4	Venkat	18
5	Anil	21	5	Anil	21

The Action Output pane shows the following error messages:

- 10 12:54:39 select * from volleyball_players inner join football_players on volleyball_players.player_name-football_players.player_name; Error Code: 1054. Unknown column 'football_players.player_name' in 'on clause'
- 6 12:55:07 select * from volleyball_players LIMIT 0, 1000; 5 row(s) returned
- 7 12:55:12 select * from volleyball_players inner join football_players on volleyball_players.player_name-football_players.player_name; Error Code: 1054. Unknown column 'football_players.player_name' in 'on clause'
- 8 12:57:21 select * from volleyball_players inner join football_players on volleyball_players.player_name-football_players.player_name; Error Code: 1054. Unknown column 'football_players.player_name' in 'on clause'
- 9 12:57:34 select * from volleyball_players LIMIT 0, 1000; 5 row(s) returned
- 10 12:58:06 select * from volleyball_players inner join football_players on volleyball_players.player_name-football_players.player_name; Error Code: 1054. Unknown column 'football_players.player_name' in 'on clause'

3. Create 2 Calculation field using any aggregate function.

Calculation field-1:

The screenshot shows the Tableau Desktop interface. The 'Columns' shelf contains 'Measure Names' and 'Product Name'. The 'Rows' shelf contains 'Category'. The 'Marks' shelf is set to 'Automatic'. The 'Filters' shelf is empty. The 'Measure Values' shelf contains 'SUM(Discount)', 'SUM(Profit)', and 'SUM(Calculation1)'. The 'Tables' pane on the left shows the 'Orders' table with fields like Customer Name, Location, Order Date, Order ID, Product, Category, Sub-Category, Manufacturer, Product Name, Profit (bin), Segment, Ship Date, Ship Mode, Top Customers by Pr..., Calculation1, Discount, Profit, Quantity, Sales, and Orders (Count). The 'Parameters' pane shows 'Profit Bin Size' and 'Top Customers'.

Category	Product Name	Discount	Profit	Calculation1
Furniture	3M Hangers With Co.	1	36	35
	3M Polarizing Light	1	75	75
	3M Polarizing Task L	0	570	570
	6" Cubicle Wall Clo	1	26	25
	9-3/4 Diameter Rou	0	183	183
	12-1/2 Diameter Ro	5	7	3
	24-Hour Round Wall	0	180	180
	36X48 HARDFLOOR	1	-40	-42
	Acrylic Self-Standin	1	33	32
	Advantus Employee	0	312	312
	Advantus Panel Wall	1	25	24
	Advantus Panel Wall	0	108	108
	Aluminum Documen	1	85	84
	Anderson Hickey Co.	1	-18	-18
	Artistic Insta-Plaue	0	61	61
	Atlantic Metals Mob	2	-311	-313
	Atlantic Metals Mob	1	780	779
	Atlantic Metals Mob	2	-126	-128
	Atlantic Metals Mob	3	15	13
	Balt Solid Wood Rec	1	-216	-217
	Balt Solid Wood Rou	1	-1,201	-1,202
	Balt Split Level Com	2	-387	-389
	Barricks 18" x 48" N	2	-105	-106
	Barricks Non-Foldin	0	15	15
	Bestar Classic Bookc	3	-613	-615
	Bevis 36 x 72 Confer	1	448	447
	Bevis 44 x 96 Confer	1	-165	-166
	Bevis Boat-Shaped C	2	-446	-447
	Bevis Oval Confer	2	-856	-858
	Bevis Rectangular C	2	-587	-589
	Bevis Round Bullnos	1	-192	-193
	Bevis Round Confere	1	-39	-40

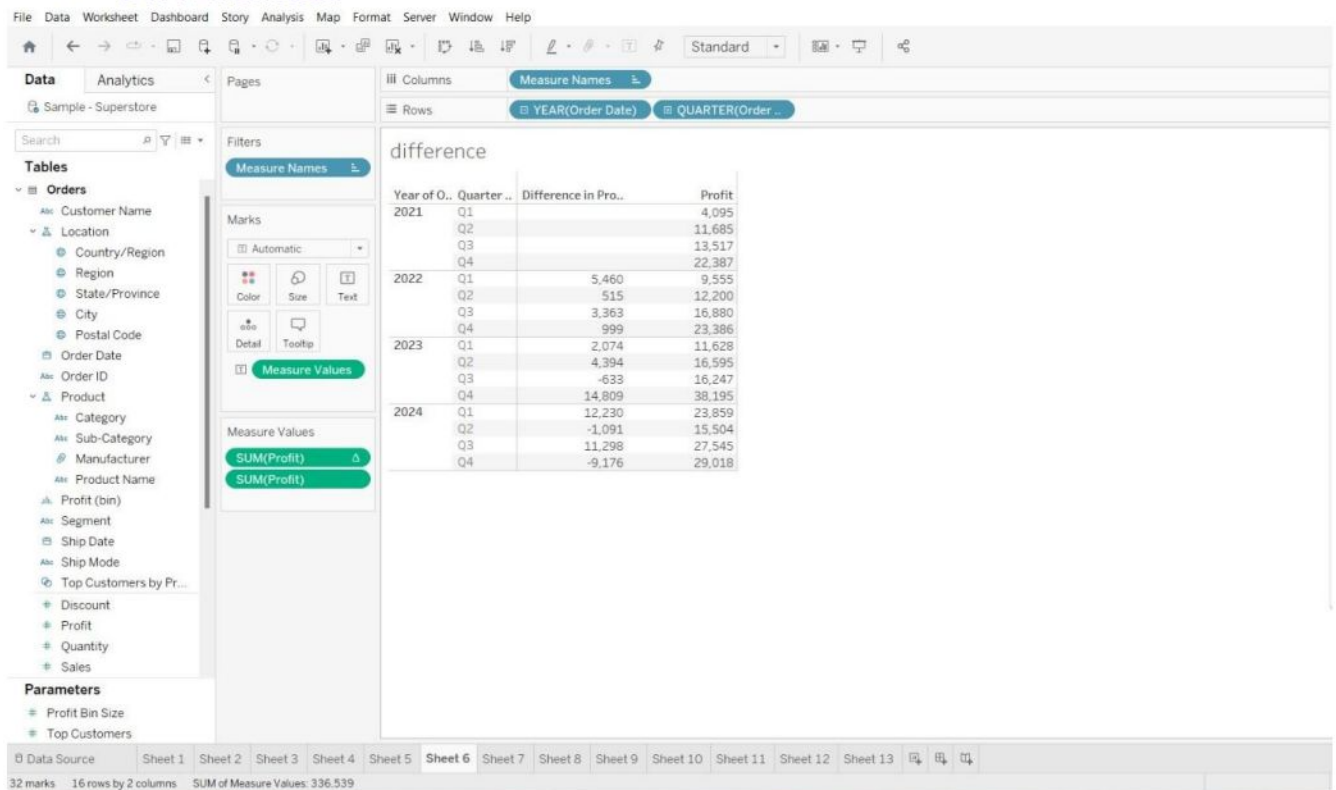
Calculation field-2:

The screenshot shows the Tableau Desktop interface. The 'Columns' shelf contains 'Product Name' and 'Calculation5'. The 'Rows' shelf is empty. The 'Marks' shelf is set to 'Automatic'. The 'Filters' shelf is empty. The 'Measure Values' shelf contains 'SUM(Profit)'. The 'Tables' pane on the left shows the 'Orders' table with fields like Customer Name, Location, Order Date, Order ID, Product, Category, Sub-Category, Manufacturer, Product Name, Profit (bin), Segment, Ship Date, Ship Mode, Top Customers by Pr..., Calculation1, Calculation2, Discount, Profit, Quantity, Sales, and Orders (Count). The 'Parameters' pane shows 'Profit Bin Size' and 'Top Customers'.

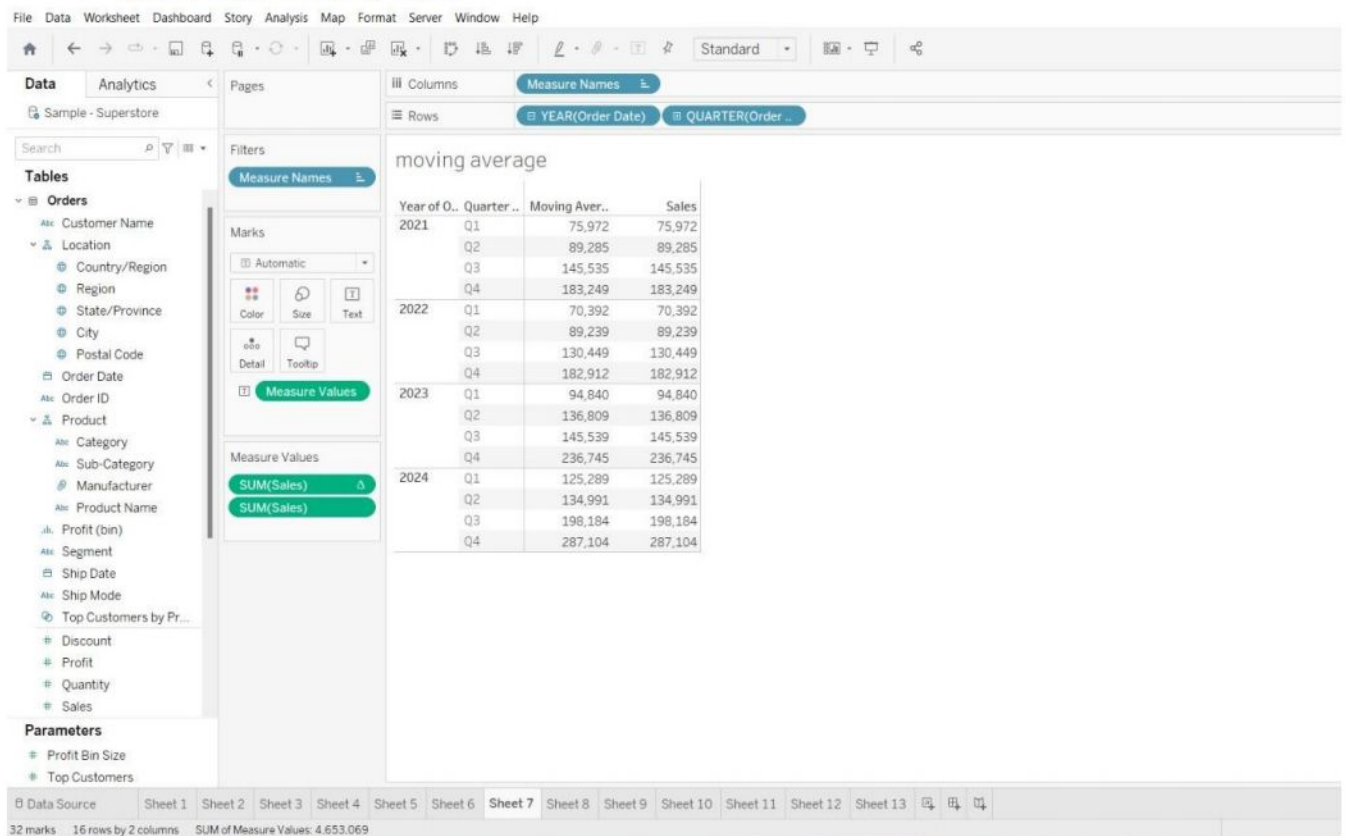
Product Name	Calculation5
1.7 Cubic Foot Comp.	Profitable 579
1/4 Fold Party Desig.	Profitable 23
3-ring staple pack	Profitable 17
3.6 Cubic Foot	Non Profitable -1,379
Counter Height Offic.	Profitable 507
3D Systems Cube Pri.	Profitable 3,718
3D Systems Cube	Non Profitable -572
Printer, 2nd Generat.	Profitable 104
3M Hangers With	Non Profitable -1
Command Adhesive	Profitable 37
3M Office Air Cleaner	Profitable 91
3M Organizer Strips	Non Profitable -14
	Profitable 24
3M Polarizing Light	Non Profitable -8
Filter Sleeves	Profitable 83
3M Polarizing Task L	Profitable 570
3M Replacement	Non Profitable -109
Filter for Office Air C.	Profitable 88
6" Cubicle Wall Clock	Non Profitable -6
Black	Profitable 32
9-3/4 Diameter Rou	Profitable 183
12 Colored Short Pe	Profitable 3
12-1/2 Diameter	Non Profitable -137
Round Wall Clock	Profitable 144
14-7/8 x 11 Blue Bar	Profitable 173
24 Capacity Maxi Da	Profitable 537
24-Hour Round Wall	Profitable 180
36X48 HARDFLOOR	Non Profitable -61
CHAIRMAT	Profitable 21
50 Colored Long Pen	Profitable 33
2300 Heavy-Duty	Non Profitable -3
Transfer File System	Profitable 24
4000 High-Speed	Non Profitable -3

4. Create any 3 visualization using quick Table Calculations.

● DIFFERENCE:



● MOVING AVERAGE:



- Year To Date (YTD) Total:

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Home Undo Redo Copy Paste Find & Replace Sort & Filter View Show/Hide Fields Standard View Full Screen Help

Data Analytics Pages

Sample - Superstore

Search

Tables

- Product Name
- Profit (bin)
- Segment
- Ship Date
- Ship Mode
- Top Customers by Pr...
- Discount
- Profit
- Quantity
- Sales
- Orders (Count)

People

- Regional Manager
- People (Count)

Returns

- Returned
- Returns (Count)

Measure Names

- Profit Ratio
- Latitude (generated)
- Longitude (generated)
- Measure Values

Parameters

- Profit Bin Size
- Top Customers

Columns: Measure Names

Rows: YEAR(Order Date) QUARTER(Order Date)

YTD total

Year of O..	Quarter ..	Profit	Running Sum of ..
2021	Q1	4,095	4,095
	Q2	11,685	15,780
	Q3	13,517	29,298
	Q4	22,387	51,684
2022	Q1	9,555	9,555
	Q2	12,200	21,755
	Q3	16,880	38,635
	Q4	23,386	62,021
2023	Q1	11,628	11,628
	Q2	16,595	28,223
	Q3	16,247	44,471
	Q4	38,195	82,665
2024	Q1	23,859	23,859
	Q2	15,504	39,363
	Q3	27,545	66,908
	Q4	29,018	95,926

Sheet 1 Sheet 2 Sheet 3 Sheet 4 Sheet 5 Sheet 6 Sheet 7 Sheet 8 Sheet 9 Sheet 10 Sheet 11 Sheet 12 Sheet 13 Sheet 14 Sheet 15 Sheet 16 Sheet 17 Sheet 18