SQL Queries and Outputs

CREATE INDEX RowID_index on cleaned_sales_data(row_id);

CREATE INDEX ProductID_index on cleaned_sales_data(product_id);

CREATE INDEX ProductName_index on cleaned_sales_data(product_name);

CREATE VIEW AvgSalesProfitCost as

SELECT avg(sales) as avg_sales, avg(profit) as avg_profit, avg(cost) as avg_cost FROM cleaned_sales_data;

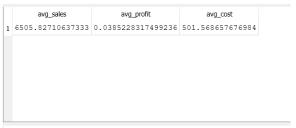
CREATE VIEW TotalSalesProfitCost as

SELECT sum(sales) as total_sales, sum(profit) as total_profit, sum(cost) as total_cost FROM cleaned_sales_data;

CREATE VIEW RegionCount as

SELECT region, count(*) as count FROM cleaned_sales_data GROUP by region ORDER by count desc;

SELECT * FROM AvgSalesProfitCost;



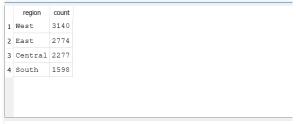
Execution finished without errors. Result: 1 rows returned in 17ms

SELECT * FROM TotalSalesProfitCost;



Execution finished without errors. Result: 1 rows returned in 33ms

Select * FROM RegionCount;



Execution finished without errors. Result: 4 rows returned in 28ms

SELECT product_name FROM cleaned_sales_data WHERE ship_mode = "standard class" AND profit > 850 AND quantity < 5;



Execution finished without errors. Result: 10 rows returned in 30ms

SELECT product_id, product_name FROM cleaned_sales_data where sales < (SELECT avg(sales) from cleaned_sales_data) ORDER by sales DESC LIMIT 10;

	product_id	product_name
1	FUR-FU-10003829	Stackable Trays
2	FUR-CH-10002084	Hon Mobius Operator'S Chair
3	OFF-AR-10004022	Panasonic Kp-380Bk Classic Electric
4	OFF-BI-10000962	Acco Flexible Accohide Square Ring
5	TEC-PH-10001336	Digium D40 Voip Phone
6	OFF-PA-10001019	Xerox 1884
7	TEC-AC-10004568	Maxell Lto Ultrium - 800 Gb
8	OFF-LA-10000248	Avery 52
9	OFF-ST-10000675	File Shuttle Ii And Handi-File, Black
10	TEC-PH-10002844	Speck Products Candyshell Flip Case

Execution finished without errors. Result: 10 rows returned in 26ms

SELECT DISTINCT s1.product_id, s1.product_name, s1.quantity FROM cleaned_sales_data s1 JOIN cleaned_sales_data s2 on s1.quantity = s2.quantity AND s1.ship_mode = "standard class" ORDER by s1.quantity DESC LIMIT 10;

	product_id	product_name	quantity
1	OFF-BI-10003910	${\tt Dxl}$ Angle-View Binders With Locking \dots	25
2	OFF-BI-10003656	Fellowes Pb200 Plastic Comb Binding	25
3	FUR-CH-10001146	Global Value Mid-Back Manager'S	25
4	OFF-BI-10003650	Gbc Docubind 300 Electric Binding	25
5	OFF-ST-10002974	Trav-L-File Heavy-Duty Shuttle Ii,	25
6	OFF-ST-10003656	Safco Industrial Wire Shelving	25
7	OFF-LA-10002475	Avery 519	25
8	FUR-BO-10004695	O'Sullivan 2-Door Barrister Bookcase	25
9	OFF-BI-10001658	Gbc Standard Therm-A-Bind Covers	25
10	OFF-BI-10000831	Storex Flexible Poly Binders With	25

Execution finished without errors. Result: 10 rows returned in 1246ms

SELECT DISTINCT s1.product_id, s1.product_name, s1.quantity FROM cleaned_sales_data s1 JOIN cleaned_sales_data s2 on s1.quantity = s2.quantity AND s1.ship_mode = "standard class" AND s1.product_id <> s2.product_id ORDER by s1.quantity DESC LIMIT 10;

	product_id	product_name	quantity
1	OFF-BI-10003910	${\tt Dxl}$ Angle-View Binders With Locking \dots	25
2	OFF-BI-10003656	Fellowes Pb200 Plastic Comb Binding	25
3	FUR-CH-10001146	Global Value Mid-Back Manager'S	25
4	OFF-BI-10003650	Gbc Docubind 300 Electric Binding	25
5	OFF-ST-10002974	Trav-L-File Heavy-Duty Shuttle Ii,	25
6	OFF-ST-10003656	Safco Industrial Wire Shelving	25
7	OFF-LA-10002475	Avery 519	25
8	FUR-BO-10004695	O'Sullivan 2-Door Barrister Bookcase	25
9	OFF-BI-10001658	Gbc Standard Therm-A-Bind Covers	25
10	OFF-BI-10000831	Storex Flexible Poly Binders With	25

Execution finished without errors. Result: 10 rows returned in 1497ms