SQL and Power BI Challenge Questions

SQL Questions

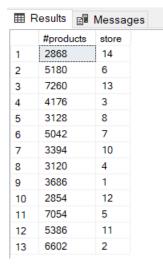
1. List all sales with product names and sale amounts.



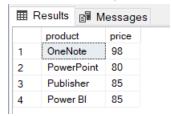
2. Show all unique customers who made purchases in January 2019.



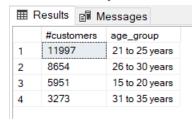
3. Get the number of products sold per store.



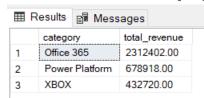
4. Retrieve a list of products with prices greater than \$70.



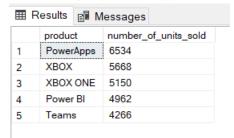
5. Count how many customers belong to each age group.



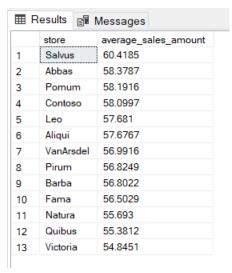
6. Calculate the total revenue per product category.



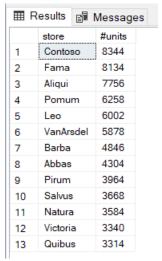
7. Find the top 5 products by number of units sold.



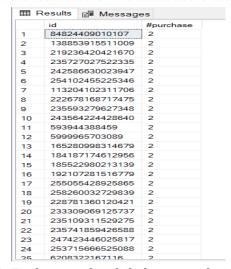
8. Show the average sales amount per store.



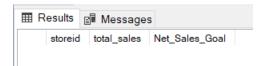
9. Identify which stores have sold more than 500 units in total.



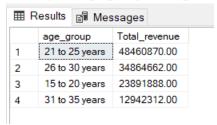
10. List customers who made more than one purchase.



11. Find stores that failed to meet their net sales goals.



12. Identify the age groups that generated the highest total revenue.



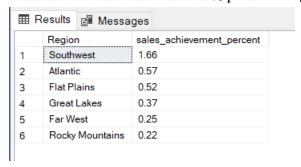
13. Show product segments with average prices above the overall average.



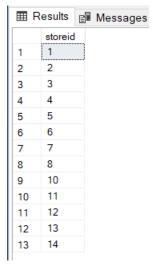
14. Find customers who bought products from at least 3 different categories.



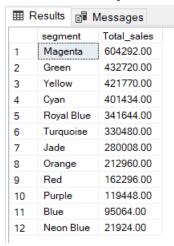
15. Calculate the sales achievement % per store region.



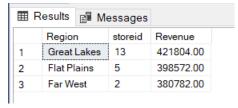
16. Identify stores with declining weekly sales trends.



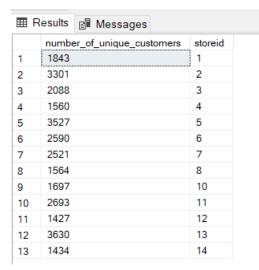
17. Determine which product segment contributes the most to total sales revenue.



18. List the top 3 performing stores in each region based on revenue.



19. Find the number of unique customers served per store.



20. Retrieve sales data where the product belongs to a category starting with 'Office'.

	ID	Date	Amount	ProductID	Status	StoreID	Unit	Product	ProductID	Category	CategorylD	Segment	SegmentID	Product Image	Category Image	٨
1	1515142996	2019-01-06 00:00:00.000	70.00	11	Sold	6	1	Word	11	Office 365	1	Royal Blue	2	https://imagizer.imageshack.com/img922/9264/iTdYvM	https://imagizer.imageshack.com/	١
2	5029132964	2019-01-27 00:00:00.000	32.00	14	Sold	2	1	Yammer	14	Office 365	1	Blue	2	https://imagizer.imageshack.com/img922/9221/8MnP4	https://imagizer.imageshack.com/	١.
3	5701775629	2019-01-27 00:00:00.000	56.00	21	Sold	11	2	Teams	21	Office 365	1	Purple	9	https://imagizer.imageshack.com/img923/2618/OsaVY1	https://imagizer.imageshack.com/	١
4	5885927921	2019-01-27 00:00:00.000	56.00	21	Sold	3	2	Teams	21	Office 365	1	Purple	9	https://imagizer.imageshack.com/img923/2618/OsaVY1	https://imagizer.imageshack.com/	1
5	12455113623	2019-01-06 00:00:00.000	60.00	8	Sold	12	1	SharePoint	8	Office 365	1	Turquoise	3	https://imagizer.imageshack.com/img923/8037/3ivnZQ	https://imagizer.imageshack.com/	١
6	20193031550	2019-01-06 00:00:00.000	28.00	21	Sold	6	1	Teams	21	Office 365	1	Purple	9	https://imagizer.imageshack.com/img923/2618/OsaVY1	https://imagizer.imageshack.com/	١
7	21246538910	2019-01-06 00:00:00.000	50.00	17	Sold	13	1	Kaizala	17	Office 365	1	Cyan	1	https://imagizer.imageshack.com/img921/9127/X00xK	https://imagizer.imageshack.com/	١
8	21988544164	2019-01-06 00:00:00.000	70.00	11	Sold	13	1	Word	11	Office 365	1	Royal Blue	2	https://imagizer.imageshack.com/img922/9264/iTdYvM	https://imagizer.imageshack.com/	١
9	23592963960	2019-01-06 00:00:00.000	50.00	2	Sold	6	1	Excel	2	Office 365	1	Jade	4	https://imagizer.imageshack.com/img922/8595/yALd07	https://imagizer.imageshack.com/	١
10	25417292611	2019-01-06 00:00:00.000	45.00	9	Sold	1	1	Skype	9	Office 365	1	Cyan	1	https://imagizer.imageshack.com/img924/8061/q2tFhJ	https://imagizer.imageshack.com/	1
11	25612151238	2019-01-06 00:00:00.000	50.00	17	Sold	2	1	Kaizala	17	Office 365	1	Cyan	1	https://imagizer.imageshack.com/img921/9127/X00xK	https://imagizer.imageshack.com/	١
12	26716708547	2019-01-06 00:00:00.000	50.00	2	Sold	5	1	Excel	2	Office 365	1	Jade	4	https://imagizer.imageshack.com/img922/8595/yALd07	https://imagizer.imageshack.com/	١
13	29709581290	2019-01-06 00:00:00.000	50.00	3	Sold	6	1	Exchange	3	Office 365	1	Cyan	1	https://imagizer.imageshack.com/img921/8353/UTn7R	https://imagizer.imageshack.com/	١
14	29749551115	2019-01-06 00:00:00.000	20.00	19	Sold	2	1	Forms	19	Office 365	1	Turquoise	3	https://imagizer.imageshack.com/img921/3233/aUkT4r	https://imagizer.imageshack.com/	١
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17	31883524451	2019-01-13 00:00:00.000	98.00	4	Sold	2	1	OneNote	4	Office 365	1	Magenta	8	https://imagizer.imageshack.com/img922/6473/bYxqkp	https://imagizer.imageshack.com/	١
18	34307543930	2019-01-13 00:00:00.000	20.00	19	Sold	2	1	Forms	19	Office 365	1	Turquoise	3	https://imagizer.imageshack.com/img921/3233/aUkT4r	https://imagizer.imageshack.com/	1
19	34786665855	2019-01-13 00:00:00.000	28.00	21	Sold	11	1	Teams	21	Office 365	1	Purple	9	https://imagizer.imageshack.com/img923/2618/OsaVY1	https://imagizer.imageshack.com/	1
20	34859206767	2019-01-13 00:00:00.000	60.00	8	Sold	13	1	SharePoint	8	Office 365	1	Turquoise	3	https://imagizer.imageshack.com/img923/8037/3ivnZQ	https://imagizer.imageshack.com/	١v