24/6/2025_ SQL Aggregation Practice Module	
Stel 38-  1) what is the difference between GROUP BY and ORDED BY  ORDER BY	
Dis used to group rows that howe some values.	1) it sort The result, set either in 95 95 anding or desarding order
2) maybe allowed in CREATE VIEW Statement.	2) is not allowed in CREATE VIEW Statment.
3) attribute can not be under group ogstatmat under aggregate function	3) attribute can be under order by statmet under aggregation function
4) controls the Presentation of rows.	4) controls Prosedation of colourns.  5) always used after 964 by Statut.
5) shows used before order by stumm 5) always used after 960 by statut.	
2) Why so we use HAVING instated of WHERE when filtering of grants	
we use having instead of where when Piltering aggregate result because having litter after group by and can work with aggregate function like [count(), sum(), sug()] while where filter rows before growing and can not use aggregate function.	

- 3) What are common beginsoler Mistales when writing aggregation
- 1) Experting aggregate function like sum() or count() to atomatically APPly conditions without using case of where.
- 2) Using aggregate function in the where clause instead of having.
- 3) Forgetting to use Group by when selecting non-signegated columns
- 4) When would you souse count (Distinct), Aug () and Sum() together?

We would use COUNT (DISTINCT...), AVG(...) and SUM(...) together when you want to analyze data across different dimensions. For example to count unique items, calculate average values, and sum totals in simple greg. This is useful in reporting and analytics where you need full summary.

5) How does GROUP By affect quelly fellolmance, and how can indexes

when you use GROW By the develope had to grow the date which takes extra time expensions if there are many rows. This can make awary slower becase the database needs to to look through all the date and organize it indexes can help make it faster, indexits like a shortcut or table of contents that help the database find and grow the right rows quickly. So if you gloup by a column that has index, the database doesn't have to scan everything it uses the shortcut in stead.