1. Result set: is the output of a query. It is a set of rows from the database
2. Union and Union All:Union is used to extract rows using condition while Union All is used for extracting all the rows.
3. Set Operators SQL Server has UNION, UNION ALL, INTERSECT, EXCEPT
4. Difference between Union and Join:

Union is used to combine the result-set of 2 or more SELECT statements, while Join is used to combine the result-set of 2 or more Tables.

1. Difference between INNER JOIN and FULL JOIN:

For inner join, it fetches data both left and right table which satisfy the conditions, while full join is used to fetch all data, extra record will return null.

1. Difference between LEFT JOIN and OUTER JOIN

Left join is used to fetch all data from left table with right table, if it does not satisfy condition, record coming from right table will return null; while full join is used to fetch all of the data in left table and right table.

1. CROSS JOIN is used to generate a paired combination of each row of the first table with each row of the second table.
2. Difference between WHERE clause and HAVING clause

WHERE applies to individual rows, while HAVING applies to groups of rows

1. Yes, There can be multiple group by columns.