1. What is a result set?

It is a set of rows from a database such as the column names and the types and sizes of each column.

1. What is the difference between Union and Union All?

Union all is equal to union except that UNION ALL selects all the values

1. What are the other Set Operators SQL Server has?

UNION, UNION ALL, INTERSECT, EXCEPT

1. What is the difference between Union and Join?

Join combine data into columns

Union combine data into Rows

1. What is the difference between INNER JOIN and FULL JOIN?

Inner join returns only the matching rows between both tables, non-matching rows are eliminated

Full join returns all rows from both the tables, include non-matching rows from both the tables

1. What is difference between left join and outer join

Outer join contain the non-matching rows from the table after left join

1. What is cross join?

The cross join is used to generate a paired combination of each row of the first table with each row of the second table

1. What is the difference between WHERE clause and HAVING clause?

WHERE is to filter the records from the table based on the specified condition

HAVING is to filter the record from the group based on the specified condition

1. Can there be multiple group by columns?

Yes, grouping can consist of two or more columns