Assignment Day2 –SQL: Comprehensive practice

# Answer following questions

1. What is a result set?

A set of output data returned by SQL query

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

Union is similar to the union set operation which it eliminates duplicate rows. Union All does the same to the Union except it keeps duplicate rows.

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

Intersect, minus

1. What is the difference between Union and Join?

Join combines tables into new columns, while union combines rows.

1. What is the difference between INNER JOIN and FULL JOIN? 6. What is difference between left join and outer join

Inner vs full: inner join only returns data results that match conditions, but full join returns data from both tables with no matching condition needed

Left vs outer: Outer join has left join, right join and full join. Left join returns all records from the left table, and all records that match conditions from the right table.

1. What is cross join?

The Cartesian product of the two table sets

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

Where is used to filter results, while having is to filter grouping results. Where can’t be used

1. Can there be multiple group by columns?

Yes group by can have multiple columns. Grouping sets can be defined using rollups.