SQL :
Commands

1) Select -) Retrieve data

  Select Col1, Col2 from table;

2) where -) Filter rows before grouping

3) Group By -) Apply Aggregate f's

  Select Sum (revenue) from Sales group by region;

Count (*), sum (col), Avg(col), Min(col), Max(col)

Group By → runs after where

4) Having → Filter after aggregation
   └ i.e. after Group By

5) Order By → DESC, ASC

   Order by total DESC;

6) Limit / offset

   LIMIT 10 OFFSET 20;

7) DISTINCT

   Select Distinct region from Sales;

Join → Combines rows from 2/more tables

Inner Join   → Matching Rows only
Left Join → All Left + Matching
                              Right

Right Join → All Right + Matching
                              Left
Full Outer Join → All rows from
                              Both

Eg: Select O.id, C.name from orders O
Inner Join Customers C on O.customer_id
= C.id;

Self Join -) Same 2 tables

Many to Many JOIN

Select S.name, C.name from Students S
Join enrollments e on S.id = e.student_id
Join courses C on e.course_id = C.id;