**GROUP BY CLAUSE**

**Syntax: SELECT group by expression / group function**

**FROM table name**

**(WHERE <filter condition>)**

**GROUP BY col\_name / expression;**

**ORDER OF EXECUTION**

1. FROM
2. WHERE (if used) -------- > row-by-row
3. GROUP BY ----------------> row-by-row
4. SELECT ---------------------> group-by-group

**NOTE**

1. **GROUP BY** clause executes row-by-row.
2. In group by clause we can write only column name or expression.
3. The col\_name/expression used in group by clause can only be written in select clause.
4. After the execution of group by clause we get group of output.

**Example** Select deptno, max (sal)

From emp

Group by deptno;

**QUERIES**

1. WAQTD number of employees working in each department.
2. WAQTD number of employees working in each department excluding the manager.
3. WAQTD maximum salary given to the employees of each job excluding the employees whose salary is less than 2100.
4. WAQTD number of clerks working in each department.
5. WAQTD number of employees working in each department except president.
6. WAQTD total salary needed to pay all the employees in each job.
7. WAQTD number of employees working as manager in each department.
8. WAQTD avg salary needed to pay all the employees in each department excluding the employees of deptno 20.
9. WAQTD number of employees having characters ‘A’ in their names in each job.
10. WAQTD total salary needed to pay and number of salesman in each dept.