

1. GROUP BY CLAUSE

```
select stud_dept as "dept", count(roll_no) as "cnt" from students group by stud_dept;
```

2. HAVING CLAUSE

```
select stud_dept as "dept", count(roll_no) as "cnt" from students group by stud_dept having stud_dept in ('CSE','Mechanical');
```

3. ORDER BY CLAUSE

```
select * from students order by stud_name asc;
```

4. MAX/MIN AGGREGATE FUNCTIONS

```
select max(stud_marks) as "highest",min(stud_marks) as "lowest" from students;
```

5. COUNT FUNCTION

```
select count(*) as "count" from students where stud_marks>50;
```

6. SUM & AVG FUNCTION

```
select sum(stud_marks) as "sum" from students where stud_dept='ECE';  
select avg(stud_marks) as "average" from students where stud_marks>70;
```

7. UPPER,LOWER AND LENGTH FUNCTION

```
select upper(stud_fname) as "upper" from students;  
select lower(stud_lname) as "lower" from students;  
select length(stud_full_name) as "length" from students;
```

8. NUMBER FUNCTION

```
select round(CGPA,2) as "Rounded" from students;  
select trunc(CGPA,1) as "Truncated" from students;
```

9. CHARACTER FUNCTION

```
select fname || ' ' || lname as "FullName" from students;  
select replace(fname,'a','i') as "UpdatedFirstName" from students;  
select substr(fname,1,5) as "Initials" from students;
```

10. DATE FUNCTION

```
select abs(months_between(birthdate,to_date('03/04/2021','DD/MM/YYYY'))) as "Difference" from students;  
select next_day(birthdate,'thursday') as "NextThursday" from students;  
select add_months(birthdate,10) as "AddedMonths" from students;
```