**SQL Part 4   
1.Find department wise minimum salary empname and maximum salary empname .**

CREATE TABLE emps\_tbl (

emp\_name VARCHAR(50),

dept\_id INT, salary INT);

INSERT INTO emps\_tbl VALUES

('Siva', 1, 30000),

('Ravi', 2, 40000),

('Prasad', 1, 50000),

('Sai', 2, 20000),

('Anna', 2, 10000);

with dept\_Sal as (

select \*,

ROW\_NUMBER() over(partition by dept\_id order by salary asc) as Min\_Sal,

ROW\_NUMBER() over(partition by dept\_id order by salary desc) as Max\_Sal

from emps\_tbl )

select

dept\_id,

max(case when Min\_Sal = 1 then emp\_name end) as Min\_sal\_emp,

max(case when Max\_Sal = 1 then emp\_name end) as Max\_sal\_emp

from dept\_Sal

group by dept\_id

--Method 2

select distinct dept\_id,

FIRST\_VALUE(emp\_name) over(partition by dept\_id order by salary asc) as Min\_Sal\_Emp,

FIRST\_VALUE(emp\_name) over(partition by dept\_id order by salary desc) as Max\_Sal\_Emp

from emps\_tbl

**2.Find out the Studentwise Total Marks for Top 2 Subjects**

CREATE TABLE Student\_Marks (

student\_name VARCHAR(50),

subject VARCHAR(50),

marks INT

);

INSERT INTO Student\_Marks (student\_name, subject, marks) VALUES

('Alice', 'Math', 65),

('Alice', 'Science', 80),

('Alice', 'English', 78),

('Bob', 'Math', 82),

('Bob', 'Science', 85),

('Bob', 'English', 88),

('Catherine', 'Math', 70),

('Catherine', 'Science', 72),

('Catherine', 'English', 68),

('Daniel', 'Math', 99);

with Top2\_Sub as (

select \*,

DENSE\_RANK() over(partition by student\_name order by marks desc) as Dr

from Student\_Marks )

select

student\_name,

sum(marks) as Total\_Marks

from Top2\_Sub

where dr <=2

group by student\_name