**SQL DAY – 02 Practice Session Questions**

**Duration – 4 Hours**

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| **Non Correlated subquery Single Row Subqueries Multiple Row and Column Subqueries Correlated subqueries using aliases Nested subqueries** |
| Write a query to display the name ( first name and last name ) for those employees who gets more salary than the employee whose ID is 163 |
| Write a query to display the name ( first name and last name ), salary, department id for those employees who earn such amount of salary which is the smallest salary of any of the departments. |
| Write a query to display the employee id, employee name (first name and last name ) for all employees who earn more than the average salary. |
| Write a query to display the employee name ( first name and last name ), employee id and salary of all employees who report to Payam. |
| Write a query to display all the information of the employees who does not work in those departments where some employees works whose manager id within the range 100 and 200. |
| Write a query to display the employee name (first name and last name) and hire date for all employees in the same department as Clara. Exclude Clara. |
| Write a query to display the employee id, name ( first name and last name ), salary, department name and city for all the employees who gets the salary as the salary earn by the employee which is maximum within the joining person January 1st, 1997 and December 31st,1997 |
| Write a query in SQL to display the first and last name, salary, and department ID for those employees who earn less than the average salary, and also work at the department where the employee Laura is working as a first name holder. |
| Display the name & department ID of all departments that has at least one employee with salary greater than 10,000. |
| Write a query to fetch the employee ID, First Name, Last Name, Salary and Department ID of those employees who draw a salary more than the average salary of their respective department. |
| Display first name ,last name of employee/s where department id is equal to Adam department id and employee\_id is 144 using subquery. |
| Display all the employees who have their manager and department matching with the employee having an Employee ID of 121 or 200 but not 121 or 200 using subquery . |
| Display 5th highest salary of employee using subquery |
| Display the employee number, name (first name and last name) and job title for all employees whose salary is smaller than any salary of those employees whose job title is MK\_MAN using subquery. |
| Write a query to find the name (first\_name, last\_name) of the employees who have a manager and worked in a USA based department using subquery. |
| Write a query in SQL to display the details of the current job for those employees who worked as a Sales Representative in the past |
| Write a query in SQL to display the country name, city, and number of those departments where at least 2 employees are working. |
| Write a query in SQL to display the name of the department, average salary and number of employees working in that department who got commission. |
| Write a Query to display the product id, product description and product price of products whose product id less than 1000 and that have the same price more than once. |
| Display the count of employees whose last\_name starts with 'A' |
| **COALESCE**  **NULLIF**  **IS NULL and IS NOT NULL** |
| Write a query to display net Salary of employees even if the commission is not given . |
| Create table dummy(sno int,sal int); Insert into dummy values(1,2000),(Null,3000),(3,null),(4,7990),(5,null); Write a query to display information where sno is not 3; |
| Write a query to display employees information where department id is 10,20,30 or not defined. |
| create table table\_a ( a number); insert into table\_a values (1); insert into table\_a values (2); insert into table\_a values (3);  create table table\_b ( b number); insert into table\_b values(4); insert into table\_b values(3); insert into table\_b values(null);  .Write a query to display table\_a data which is not there in table\_b; |
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| Display the employee details for whom commission is not mentioned. |
| Display the employee details whose manager is not assigned |
| Display first\_name of the employees who are not  receiving any commission and first name contains 't' |
| CREATE TABLE IF NOT EXISTS contacts ( contactid INT AUTO\_INCREMENT PRIMARY KEY, contactname VARCHAR(20) NOT NULL, bizphone VARCHAR(15), homephone VARCHAR(15) ); INSERT INTO contacts(contactname,bizphone,homephone) VALUES('John Doe','(541) 754-3009',NULL), ('Cindy Smith',NULL,'(541) 754-3110'), ('Sue Greenspan','(541) 754-3010','(541) 754-3011'), ('Lily Bush',NULL,'(541) 754-3111');  Display contact name and phone of customers ,if bizphone is not there homephone should show up. |
| Display the contact name where biz phone is not provided |
| Display first\_name ,commission and where commission is null print 'Its Null' otherwise print 'It’s not null' |
| **Data Dictionary to help computation any value which is not there in tables**  **( To select pseudo)** |
| Display the current system date |
| Display the output for (90+20)/2 |
| Display the below given pattern \* \*\* \*\*\* |
| Display system date ,total number of rows from employees and departments table in a single row and 3 columns |
| Display your name on screen |
| Display 'Great Learnings' in capital letter |
| Display the sum of 5 and 3 |
| Display the difference between 2007-01-21 and 2007-01-01 |
| Display the age if the date of birth is '1999-09-08' |
| Display the square root of 4 |
| Display the addition of 2,3,4,5 |
| Display '1' if 2<>0 condition is true otherwise display '0' |
| Display the user name in MySQL |
| Display on screen 'My name is <your name > |
| Display the square of 9 |