



**INDIAN SCHOOL MUSCAT  
SENIOR SECTION  
DEPARTMENT OF COMPUTER SCIENCE  
CLASS – XII  
TOPIC: STRUCTURED QUERY LANGUAGE (SQL)  
LAB WORKSHEET – 10**

**Create the tables as given below:**

**EMPLOYEE**

Slno	Column name	Data type	Size	Constraint
1	EmpNO	integer		Primary key
2	Name	character	20	Unique
3	Job	Character	20	Not null
4	Sal	Decimal	8,2	
5	Doj	Date		Not Null

**DEPT**

Slno	Column name	Data type	Constraints
1	EmpNo	integer	Primary key
2	DeptNo	integer	Not null
3	Comm	integer	

**EMPLOYEE**

EmpNo	Name	Job	Sal	Doj
2098	G.Hussain	Manager	17000	1994-03-17
3099	Pallav	Manager	9000	1990-02-12
8001	Y.D.Sharma	Clerk	8500	1980-05-16
7901	Bhawna	President	45200	1989-10-16
5400	A.Dasgupta	Analyst	6580	1990-08-01
3400	P.Arora	Clerk	5120	1980-03-17
2100	Col.Singhvi	Manager	11200	1994-09-02

**DEPT**

EmpNo	DeptNo	Comm
2098	10	
3099	30	1400
8001	20	
7901	10	300
5400	20	
3400	10	
2100	30	500

Write the SQL commands for the following questions:

1. Create database in your name and create the tables EMPLOYEE and DEPT as given above.
2. To insert records into both the tables.
3. To display the structure of both the tables.
4. To modify the name field in the employee table with 25 characters.
5. To display all rows of both the tables.
6. To display the names of employees who are getting salary in the range 5000 – 10000(both included).
7. To display the details of all employees whose name starts with 'P'.

8. To display name of those employees ending with 'a'.
9. To display the names of those employees with exact 6 characters.
10. To display the details of all managers from the Employee table.
11. To change the salary of Bhawna to 40000.
12. To sort the records of employee table in the descending order of salary.
13. To display the names of all clerks and analysts from employee table.
14. To increase the salary of all employees by 10%.
15. To display the name, salary and bonus(salary+20% of salary).
16. To find the number of different jobs present in the table employee.
17. To delete the record of Col.Singvi from employee table.
18. To display the details of all the employees who are either managers or getting a salary less than 7000.
19. To display the details of all employees with doj > '1990-01-01'
20. To add a new column named Phone in the employee table and fill with values of your choice.
21. To show the minimum and maximum salary of the employees.
22. To show the sum and average salary of all clerks.
23. To display the job and total salary of employees for each job.
24. To create a view "Company" from employee table containing name, job and salary of employees who are getting salary more than 8000.
25. To change the salary of "Pallav" on the view as 5000. Display both the view and the base table.
26. To display name and deptno of all employees who do not earn a commission (comm field).
27. To find the name of the employee who is getting the maximum salary.
28. To find the name and salary of the employee getting minimum salary.
29. To delete all rows of the employee table and dept table.
30. To drop both employee and dept tables.