R.M.D. ENGINEERING COLLEGE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
DATABASE MANAGEMENT SYSTEMS
TEST -1 ON SQL SELECT QUERIES

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Name:	Year/Section:

Consider the **employee database** The schema of the tables are given as follows

    employee(empname,street,city)

    works(empname,companyname,salary)

    company(companyname,city)

    manages(empname,managername)

1. Write a SQL query to find the name of the employees who lives in Chennai.

select empname from employee where city='Chennai';

7. Write a SQL Query to find the details of employees whose name contains 'b'.

select * from employee where name like '%b%' ;

2. Write a SQL query to find the details of the employees who lives to Chennai or Bangalore or Hyderabad.

select * from employee where city in('Chennai','Bangalore','Hyderabad');

select * from employee where city='Chennai' or city='Bangalore' or city='Hyderabad' ;

8. Write the SQL Query to find the details of the employees whose name starts with 'S'.

select * from employee where name like 'S%';

3. Write a SQL query to find the name of the employees whose salary is in the range of 50000 to 100000.

select empname from employee where salary between 50000 and 100000;

9. Write the SQL Query to find the details of the employees whose name contains second letter as 'a'.

select * from employee where name like '_a%';

4. Write a SQL query to find the name of the employees who work in Amazon and with salary in range of 100000 to 200000.

select empname from employee works where companyname='Amazon' and salary between 100000 and 200000;

10. Write a SQL Query to find the details of the employees whose name ends with 'a'.

select * from employee where name like '%a';

5. Write a SQL query to find the list of companies in the company table.
select distinct companyname from company;

11. Write a SQL Query to find the employee name, city, name of the company and salary.

select employee.empname, city, companyname, salary from **employee inner join works** on employee.empname=works.empname;

12. Write a SQL Query to find the name and city of the employee who work in TCS and earn more than 100000 Salary.

select employee.empname,city from **employee inner join works** on employee.empname=works.empname where companyname='TCS' and salary>100000;

13. Write a SQL Query to find the name of the employees who live in the same city as that of the company.

select employee.empname from **employee inner join works inner join company** on employee.empname=works.empname and works.companyname=company.companyname and **employee.city=company.city;**

14. Write a SQL Query to find the name of the employees working in companies located in Hyderabad with salary more than 100000.

select empname from **works inner join company** on works.companyname=company.companyname where city='Hyderabad' and salary>100000;

15. Write a SQL Query to find the name of the employee, city and company name whose salary is greater than 100000.

select employee.empname, city, companyname from employee inner join works on employee.empname=works.empname where salary>100000;

16. Write a SQL Query to find the number of employees in the employee table.

select count(empname) from employee;

17. Write a SQL Query to find the name of the employee who receives the maximum salary and his/her company name.

select empname from works where salary=(select max(salary) from works);

18. Write a SQL Query to find the name of the company that has more than 1000 employees.(use having clause)

select companyname from works **group by** companyname **having** count(empname)>1000;

19. Write a SQL Query to find the average salary of employees of each company.

select companyname, avg(salary) from works **group by** companyname;

20. Write a SQL Query to find the number of employees working in TCS.

select count(empname) from works where companyname='TCS';