DBMS QUERY LIST

**Name.: Satyam Kumar Verma**

**Roll No.: 10882**

1. **Query to display Employee Name, Job, Hire Date, Employee Number; for each employee with the Employee Number appearing first.**

**Ans-** SELECT Eno, Ename, job\_type, Hire\_date from employee;

1. **Query to display unique Jobs from the Employee Table**

**Ans-** SELECT distinct job\_type from employee;

1. **Query to display the Employee Name concatenated by a Job separated by a comma**

**Ans-** SELECT concat(Ename, “,” ,job\_type) from employee;

1. **Query to display all the data from the Employee Table. Separate each Column by a comma and name the said column as THE\_OUTPUT.**

**Ans-** SELECT concat\_ws(“,”, Eno,Ename,job\_type,supervisionEno,hire\_date,dno,salary) as THE\_OUTPUT from employee;

1. **Query to display the Employee Name and Salary of all the employees earning more than $2850.**

**Ans-** SELECT Ename, salary from employee where salary>2850;

1. **Query to display Employee Name and Department Number for the Employee No= 79.**

**Ans-** SELECT Eno, Dno from employee where Eno=”79”;

1. **Query to display Employee Name and Salary for all employees whose salary is not in the range of $1500 and $2850.**

**Ans-** SELECT Ename, Salary from employee where Salary not between 1500 and 2850;

1. **Query to display Employee Name and Department No. of all the employees in Dept 10 and Dept 30 in the alphabetical order by name**

**Ans-** SELECT Ename , Dno from employee where Dno=10 or Dno=30 order by Ename;

1. **Query to display Name and Hire Date of every Employee who was hired in 1981.**

**Ans-** SELECT Ename, Hire\_date from employee where year(Hire\_date)=”1981”;

1. **Query to display Name and Job of all employees who have not assigned a supervisor.**

**Ans-** SELECT Ename, job\_type from employee where SupervisionEno is Null;

1. **Query to display the Name, Salary and Commission for all the employees who earn commission**

**Ans-** SELECT Ename, Salary commission from employee where Commission is not null;

1. **Sort the data in descending order of Salary and Commission.**

**Ans-** SELECT \* from employee order by Salary desc, Commission desc;

1. **Query to display Name of all the employees where the third letter of their name is ‘A’.**

**Ans-** SELECT Ename from employee where Ename like ‘\_\_a%’;

1. **Query to display Name of all employees either have two ‘R’s or have two ‘A’s in their name and are either in Dept No = 30 or their Manger’s Employee No = 7788.**

**Ans-** SELECT Ename from employee where Ename like ‘%a%a%’ or ‘%r%r%’ and (Dno =30 or SupervisionENO =7788);

1. **Query to display Name, Salary and Commission for all employees whose Commission amount is greater than their Salary increased by 5%.**

**Ans-** SELECT Ename, Salary, Commission from employee where Commission > Salary + (Salary \* 5/100);

1. **Query to display the Current Date along with the day name.**

**Ans-** SELECT curdate(), dayname(curdatte());

1. **Query to display Name, Hire Date and Salary Review Date which is the 1st Monday after six months of employment.**

**Ans**- SELECT Ename, Hire\_date, date\_add(Hire\_date, interval 6 month ), interval(7-weekday(date\_add(Hire\_date,interval 6 month))) day) as review\_date from employee;

1. **Query to display Name and calculate the number of months between today and the date on which employee was hired of department ‘Purchase’**

**Ans-** SELECT Ename ,(year(curdate())-year(Hire\_date))\*12+(month(curdate())-month(Hire\_date)) as “No. of month” from employee, department where employee.Dno = department.Dno and department.Dname=”Purchase”;

1. **Query to display the following for each employee <E-Name> earns < Salary> monthly but wants < 3 \* Current Salary >. Label the Column as Dream Salary.**

**Ans-** SELECT concat\_ws(“ “,Ename,”Earns”,Salary,”Monthly but wants”,3\*salary) as “Dream Salary” from employee;

1. **Query to display Name with the 1st letter capitalized and all other letter lower case and length of their name of all the employees whose name starts with ‘J’, ’A’ and ‘M’.**

**Ans-** SELECT concat(upper(substring(Ename,1,1)),lower(substring(Ename,2))) as Name,length (Ename) from employee where Ename like “J%” or Ename like”A%” or Ename like “M%”;

1. **. Query to display Name, Hire Date and Day of the week on which the employee started.**

**Ans-** SELECT Ename like name,Hire\_date,day(hire\_date) as day from employee;

1. **Query to display Name, Department Name and Department No for all the employees.**

**Ans-** SELECT Ename as name,dname as”Department Name “,department.dno as “Department no.” from employee,department where employee.Dno = department.Dno;

1. **Query to display Unique Listing of all Jobs that are in Department number 30.**

**Ans-** SELECT distinct job\_type as jobs from employee;

1. **Query to display Name, Dept Name of all employees who have an ‘A’ in their name**

**Ans-** SELECT Ename as name,dno as” department no” from employee where ename like “%a%”;

1. **Query to display Name, Job, Department No. And Department Name for all the employees working at the Dallas location.**

**Ans-** SELECT Ename as Name ,job\_type as Job, department.Dno as “Department no.”,Dname as”Department Name” from employee ,department where department .Dno=employee.Dno and Location= “Dallas”;

1. **Query to display Name and Employee no. Along with their supervisor’s Name and the supervisor’s employee no; along with the Employees’ Name who do not have a supervisor.**

**Ans-** SELECT t1.ename,t1.eno,t1.supervisionEno,t2.eno,t2.eno,t2.ename as “supervisior name” from employee as t1 left outer join employee as t2 on t1.supervisioneno= t2.eno;

1. **Query to display Name, Dept No. And Salary of any employee whose department No. and salary matches both the department no. And the salary of any employee who earns a commission.**

**Ans-** SELECT Ename ,Dno, Salary from employee where(Dno, Salary) in (select Dno,Salary from employee where commission>0);

1. **. Query to display Name and Salaries represented by asterisks, where each asterisk (\*) signifies $100.**

**Ans-** SELECT Ename as Name, repeat(“\*”, Salary/100) as ‘Salary in \*’ from employee;

1. **Query to display the Highest, Lowest, Sum and Average Salaries of all the employee**

**Ans-** SELECT max(Salary) as “Highest Salary”, min(Salary) as “Lowest Salary”, avg(Salary) as “Average Salary”, sum(Salary) as “Sum of Salary” from employee;

1. **Query to display the number of employees performing the same Job type functions.**

**Ans-** SELECT job\_type,count(\*) from employee group by job\_type;

1. **Query to display the total number of supervisors without listing their names.**

**Ans-** SELECT count(distinct(supervisionEno)) as “Total Supervisiors” from employee;

1. **Query to display the Department Name, Location Name, No. of Employees and the average salary for all employees in that department.**

**Ans-** SELECT department.Dname , department.location, count(distinct Eno) as ‘Number of employees’, avg(employee.Salary) as ‘Average of Salaries’ from department, employee where department.Dno = employee.Dno group by Dname;

1. **Query to display Name and Hire Date for all employees in the same dept. as Blake.**

**Ans-** SELECT Ename as ‘Name’, Hire\_date from employee where Dno = (select Dno from employee where Ename = ‘Blake’);

1. **Query to display the Employee No. And Name for all employees who earn more than the average salary.**

**Ans-** SELECT Eno, Ename as ‘Name’ from employee where Salary > (select avg(Salary) from employee);

1. **Query to display Employee Number and Name for all employees who work in a department with any employee whose name contains a ‘T’.**

**Ans-** SELECT Eno,Ename as 'Name' from employee where Ename like '%t%';

1. **Query to display the names and salaries of all employees who report to supervisor named ‘King.**

**Ans-** SELECT ename,salary from employee where supervisioneno=(select eno from employee where ename=”king”);

1. **Query to display the department no, name and job for all employees in the Sales department.**

**Ans-** SELECT department.Dno, employee.Ename as 'Name', employee.job\_type from department, employee where department.Dno = employee.Dno and Dname = 'CS';

1. **Display names of employees along with their department name who have more than 20 years experience.**

**Ans-** SELECT ename,department.dname from employee, department where employee.dno=dno.department.dno and (year(current\_date())-year(hire\_date)-1+floorI(12-month(hire\_)date)-1+month(current\_date())+floor(30\_day(hire\_date)+day(current\_date()))/30)/12)>4

1. **Display total number of departments at each location.**

**Ans-** SELECT location,count(distinct(Dno)) as “No. of Department” from department group by location;

1. **Find the department name in which at least 20 employees work in.**

**Ans-** SELECT department.Dname, count(\*) from department , employee where department.Dno = employee.Dno group by employee.Dno having count(\*) >= 20;

1. **Query to find the employee’ name who is not supervisor and name of supervisor supervising more than 5 employees.**

**Ans-** SELECT Ename as name from employee e where not exists (select SupervisionENO from employee c where e.eno=c.SupervisionENO) union select ename from employee a where(select count(\*) from employee b where a.eno= b.SuperevisionENO group by SupervisionENO)>5;

1. **Query to display the job type with maximum and minimum employees.**

**Ans-** SELECT min(job\_type),max(job\_type) from employee;