* 1. *Count total no. of employees.*

*select count(\*) from emp;*

* 1. *Determine the maximum and minimum salary.*

*select max(sal) from emp;*

* 1. *Display the count of employees having salary greater than 3000.*

*select count(\*) from emp where sal>3000;*

* 1. *Print department wise count of employees.*

*select job,count(\*) from emp group by job;*

* 1. *Display employee details who earn maximum and minimum salary.*
  2. *Print jobwise total salary*

*select job,sum(sal) from emp group by job;*

* 1. *Print department wise maximum salary.*

*select job,max(sal) from emp group by job;*

* 1. *Print jobwise average salary.*

*select job,avg(sal) from emp group by job;*

* 1. *Print count of employee working in department 20.*

*select count(\*) from emp where deptno=20;*

* 1. *Print count of employee working in department 10 having job as MANAGER..*

*select count(\*) from emp where deptno=20 and job='manager';*

* 1. *Print count of employee working in department 20 having comm as null.*

*select count(\*) from emp where deptno=20 and isnull(comm);*

* 1. *Print names of employees working in ACCOUNTS department having maximum salary.*

*select max(sal) from emp where job='accounts';*

* 1. *Print employee details having salary less than average salary of MANAGER.*

*select \* from emp having sal<(select avg(sal) from emp having job='manager');*

* 1. *Give SQL statement to find the average annual salary per job in each detp.*

*select job,(avg(sal)\*12) annualavg from emp group by job;*

* 1. *Count the number of people in the dept 30 who receive a salary and the no.of people who receive comm.*

*select count(sal),count(comm) from emp where deptno=30;*

* 1. *Calculate the avg, min and max salary of those groups of employees having the job as CLERK or MANAGER.*

*select avg(sal),min(sal),max(sal) from emp where job=('clerk' or 'manager');*

* 1. *Display the deptno of departments which have more than one CLERK.*
  2. *List names and hiredates of employees who were hired in the month of December*

*select ename,hiredate from emp where date\_format(hiredate,'%M')='december';*

* 1. *List names and hiredate of employees hired in the year 1980*

*select ename,hiredate from emp where year(hiredate)=1980;*

* 1. *Display names and jobs of the people separated by a hyphen. Capitalize the first character of name and job.*

*select concat(ucase(left(ename,1)),lcase(substring(ename,2,length(ename))),'-',ucase(left(job,1)),lcase(substring(job,2,length(job)))) from emp;*

* 1. *List employee numbers, names and hiredates of the people working in the department number 20, display the hiredates in the dd/mm/yy format*

*select empno,ename,date\_format(hiredate,'%d/%m/%y') from emp where deptno=20;*

* 1. *Find number of months the president has worked for the company.*

*select round(datediff(curdate(),hiredate)/12) from emp;*

* 1. *Find the day of the week on which SMITH joined*

*select date\_format(hiredate,'%W') from emp where ename='smith';*

* 1. *Find the time of time of the day in which ADAMS joined*

*select date\_format(hiredate,'%T') from emp where ename='adams';*

* 1. *Find day of month on which KING joined*

*select date\_format(hiredate,'%e') from emp where ename='king';*

* 1. *Find out month on which MARTIN joined*

*select date\_format(hiredate,'%M') from emp where ename='martin';*

* 1. *Find out which quarter of the year the employees joined. Display their number and names as well*

*select empno,ename,quarter(hiredate) from emp;*

* 1. *Retrieve ANALYST records with the hiredate formatted as – ‘The 3rd of December 1984’*

*select empno,ename,date\_format(hiredate,'The %D of %M %Y') from emp where job='analyst';*

* 1. *List all names, jobs, and a job classification number, which is to be assigned by you. Translate the value started in each job field to a job classification number. This is to be done as follows-*

1. *CLERK*
2. *MANAGER*
3. *PRESIDENT*
4. *OTHER*
   1. *Display the length of the longest employees name*

*select max(length(ename)) from emp;*

* 1. *Write a query to list the length of service of the employees (of the form n years and m months).*

*select timestampdiff(year,hiredate,now()) as year,(month(now())-month(hiredate)) as month from emp;*

* 1. *How many employees who are joined in 1985.*

*select count(\*) from emp where date\_format(hiredate,'%Y')=1985;*

* 1. *How many employees joined each month in 1985.*

*select month(hiredate),count(\*) from emp group by month(hiredate) order by month(hiredate);*

* 1. *How many employees who are joined in March 1985.*

*select count(\*) from emp where date\_format(hiredate,'%M')='March';*

* 1. *Find the total sales amount*

*select sum(amount) from sales;*

* 1. *Find the customer-wise lowest and highest sales amount*

*select custname,max(amount),min(amount) from sales group by custname;*

* 1. *Find product-wise lowest, highest and total sales.*

*select prodname,max(amount),min(amount) from sales group by prodname;*

* 1. *Find department-wise average salary for all the departments employing more than three employees*

*select avg(sal),count(job) from emp group by job having count(job)>3;*

* 1. *Find the customer-wise total sales for all the customers except ‘TKB SPORT SHOP’ who came to purchase various sports items maximum four times.*
  2. *Display the highest, lowest, sum and average salary for all employees. Label the columns appropriately.*

*select max(sal) 'Highest salary',min(sal) 'Minimun salary',sum(sal) 'Total salary',avg(sal) 'Average salary' from emp;*

* 1. *Modify the above query and display the output for each job type.*

*select job, max(sal) 'Highest salary',min(sal) 'Minimun salary',sum(sal) 'Total salary',avg(sal) 'Average salary' from emp group by job;*

* 1. *List names of people who have salary less than the average salary for dept 20*
  2. *Find the average annual salary per job in each department.*

*select job,(avg(sal)\*12) 'Annual average' from emp group by job;*

* 1. *Count the number of people in department 30 who receive a salary and the number of people who receive a commission*

*select count(sal),count(comm) from emp where deptno=30;*

* 1. *Compute the average, minimum and maximum salaries of these groups of employees having job as Clerk or manager, Display the job as well*

*select job, max(sal) 'Highest salary',min(sal) 'Minimun salary',avg(sal) 'Average salary' from emp group by job having job='clerk' or job='manager';*

* 1. *Write an SQL command that displays 2nd highest salary paid*

*select max(sal) from emp where sal<(select max(sal) from emp);*

* 1. *Write a query to find the employees who are earning the maximum salary in their departments.*

*select job,max(sal) from emp group by job;*

* 1. *Write a query to find the salesman number (repid) who has achieved the maximum total sales among the entire salesman.*
  2. *List the highest salary paid for each job*

*select job,max(sal) from emp group by job;*

* 1. *Find the most recently hired employee in each department.*

*select min(timestampdiff(day,hiredate,now())) from emp group by job;*

* 1. *In which year did most people join the company? Display the year and the number of employees.*

*select year(hiredate),count(year(hiredate)) from emp group by year(hiredate);*

* 1. *Write a query to display employee name whose name occurs only once in the table*

*select ename,count(ename) from emp group by ename having count(ename)=1;*

* 1. *Write a query to display all the details from dept table along with the no. of employee working in each dept.*

*select job,count(job) from emp group by job;*

* 1. *Find out which department does not have any employees.*

*select job,count(job) from emp group by job having count(job)=0;*

* 1. *List out the no. of employees joined in every month in ascending order.*

*select month(hiredate),count(month(hiredate)) from emp group by month(hiredate) order by month(hiredate);*