

--1. Write a query to list all the employees who are working as clerk

```
SELECT JOB,ENAME
FROM EMP
WHERE JOB IN ('CLERK')
```

--OR--

```
SELECT JOB,ENAME
FROM EMP
WHERE JOB LIKE 'CLERK'
GROUP BY JOB,ENAME;
```

--2. Write a query to list the employees who are working as clerks or managers

```
SELECT ENAME, JOB
FROM EMP
WHERE JOB IN('CLERK', 'MANAGER');
```

--3. Write a query to get the current date

```
SELECT CAST( GETDATE() AS Date ) ;/*the GETDATE() function to get the current date
and time. However, if you want to get just the current date - not the date and
the time - you can use the CAST() function. This function takes any expression or
any column name as the first argument. Then you use the keyword AS and enter the
new data type to return.*/
```

--4. Write a query to list the employees whose salaries are within the range of 500 and 1000

```
SELECT ENAME, SAL
FROM EMP
WHERE SAL BETWEEN 500 AND 1000;
```

--5. Write a query to list the employees who have joined in the month of December

```
SELECT ENAME, HIREDATE
FROM EMP
GROUP BY HIREDATE, ENAME
HAVING Month(HIREDATE)=12
```

--6. Write a query to list the employees whose salaries are not within the range of 1000 and 2500

```
SELECT ENAME, SAL
FROM EMP
WHERE SAL NOT BETWEEN 500 AND 1000;
```

--7. Write a query who are getting 800, 950, 3000, 5000


```
SELECT ENAME, SAL
FROM EMP
WHERE SAL IN(800, 950, 3000, 5000)
ORDER BY SAL ASC
```

--8. To list all the employees whose names are having 'L' as second character

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '_L%'
```

--9. To list all the employees whose names are having 'D' as last character

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '%D'-- TO GET LAST LETTER OF A STRING
```

--10. To list all the employees whose names are having just 5 characters as length? 

```
SELECT ENAME,
LEN(ENAME) AS 'LEN OF ENAME'
FROM EMP
WHERE LEN(ENAME)=5
```

--11. To list all the employees whose names are starting with 'T' and ending with 'R' 

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE 'T%R'
```

--12. Display those employees whose name contains "A"

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE '%A%'
```

--13. Display those employees who joined the company before 19th of the month

```
SELECT HIREDATE, ENAME,
DATEPART(DD, HIREDATE) AS 'DATE JOINED'
FROM EMP
WHERE DATEPART(DD, HIREDATE) < 19
ORDER BY HIREDATE ASC;
```

--14. What is the employee number of 'James'?

```
SELECT EMPNO
FROM EMP
WHERE ENAME LIKE 'JAMES'
```

--15. What is the salary of 'king'?

```
SELECT ENAME, SAL
FROM EMP E
WHERE ENAME LIKE 'KING'
```

--16. Who is the President for organization?

```
SELECT ENAME, JOB
FROM EMP E
```

```
WHERE JOB LIKE 'PRESIDENT'
```

--17. List all details of all the managers?

```
SELECT E.ENAME,E.EMPNO,E.MGR,E.HIREDATE,E.SAL,E.COMM,E.DEPTNO,D.LOC,E.JOB
FROM EMP E, DEPT D
WHERE E.DEPTNO=D.DEPTNO AND E.JOB LIKE 'MANAGER';
```

--18. Give employee details for employees drawing commission?

```
SELECT E.ENAME,E.EMPNO,E.MGR,E.HIREDATE,E.SAL,E.COMM,E.DEPTNO,D.LOC,E.JOB
FROM EMP E, DEPT D
WHERE E.DEPTNO=D.DEPTNO AND COMM IS NOT NULL ;
```

--19. List employees who joined before april-1981?

```
SELECT HIREDATE, ENAME
FROM EMP
WHERE DATEPART(YY,HIREDATE) < 1981 AND DATEPART(MM,HIREDATE) < 04
ORDER BY HIREDATE ASC;
```

--20. What is the salary of following: King, Blake, Ford, Smith

```
SELECT ENAME,SAL
FROM EMP
WHERE ENAME IN('King', 'Blake', 'Ford', 'Smith')
```

--22. Who is drawing salary less than 3500

```
SELECT ENAME,SAL
FROM EMP
WHERE SAL < 3500;
```

--23. List the details of all the clerks

```
SELECT E.ENAME,E.EMPNO,E.MGR,E.HIREDATE,E.SAL,E.COMM,E.DEPTNO,D.LOC,E.JOB
FROM EMP E, DEPT D
WHERE E.DEPTNO=D.DEPTNO AND E.JOB LIKE 'CLERK';
```

--24. what is the annual salary for each the employees

```
SELECT ENAME,SAL*12 AS 'ANNUAL SAL'
FROM EMP;
```

--25. if there is a hike in monthly salary by 20% for ford, what will be his annual Salary

```
SELECT ENAME,((SAL*0.2)+sal)*12 AS 'ANNUAL SAL'
FROM EMP
where ename like 'FORD';
```

--26. What is the total salary for each department

```
SELECT SUM(E.SAL) AS 'TOTAL SAL', E.DEPTNO,D.DNAME
FROM EMP E
JOIN DEPT D
ON (D.DEPTNO=E.DEPTNO)
GROUP BY E.DEPTNO,D.DEPTNO,D.DNAME;
```

--TO CHECK AVG SAL OF EACH GROUP

```
/*SELECT DEPTNO,  
AVG(SAL)  
FROM EMP  
WHERE DEPTNO LIKE '10'  
GROUP BY DEPTNO;*/
```

--27. Who is drawing the lowest salary in dept 10

```
SELECT ENAME,SAL  
FROM EMP  
WHERE SAL = (SELECT MIN(SAL) FROM EMP WHERE DEPTNO LIKE '10' ) ;
```

--28. What is the average salary for Managers

```
SELECT JOB,AVG(SAL) AS 'AVG SAL'  
FROM EMP  
WHERE JOB LIKE 'MANAGER'  
GROUP BY JOB;
```

--29. What is the total salary for salesman

```
SELECT JOB,SUM(SAL) AS 'TOTAL SAL'  
FROM EMP  
WHERE JOB LIKE 'SALESMAN'  
GROUP BY JOB;
```

--30. Which department is having the lowest average salary?

```
SELECT DEPTNO, AVG(SAL) AS 'AVG SAL'  
FROM EMP  
GROUP BY DEPTNO  
HAVING AVG(SAL)< (SELECT AVG(SAL) FROM EMP);
```

--31. How many persons are in each role

```
SELECT COUNT(ENAME) AS 'NO OF EMP',JOB  
FROM EMP  
GROUP BY JOB
```

--32. What is the highest salary among analyst

```
SELECT MAX(SAL)AS 'HIGHEST SAL',JOB  
FROM EMP  
WHERE JOB LIKE 'ANALYST'  
GROUP BY JOB;
```

--33. What is the highest commission paid

```
SELECT MAX(COMM) AS 'HIGHEST COMM'  
FROM EMP;
```

--34. How many departments are there

```
SELECT COUNT(DEPTNO) AS 'NO OF DEPT'
```

FROM DEPT;

--35. List the names in which 3rd character is L

SELECT ENAME

FROM EMP

WHERE ENAME LIKE '\_\_L%'