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

SELECT ENAME

FROM [EMP]

WHERE JOB LIKE "CLERK"

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

SELECT ENAME

FROM [EMP]

WHERE JOB LIKE "CLERK" OR JOB LIKE "MANAGER"

3.Write a query to get the current date

SELECT DATE("NOW")

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

SELECT ENAME

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 FROM emp

WHERE hiredate LIKE '%DEC%';

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

SELECT ename FROM emp

WHERE sal NOT BETWEEN 1000 AND 2500;

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

SELECT ename FROM emp

WHERE sal IN (800, 950, 3000,5000);

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';

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

SELECT ENAME FROM EMP

WHERE ENAME LIKE '\_\_\_\_\_'

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 employee who joined the company before 19th of the month

SELECT ename, CASE

WHEN LENGTH(hiredate) = 9

THEN SUBSTR(hiredate,1,2)

WHEN LENGTH(hiredate) = 8

THEN SUBSTR(hiredate,1,1)

END as newdate

FROM emp

WHERE CAST(newdate AS INTEGER) < 19

13. What is the employee number of 'James'

SELECT EMPNO

FROM EMP

WHERE ENAME LIKE ‘JAMES’

14. Display those employees who's name contains "A"?

SELECT ENAME

FROM EMP

WHERE ENAME LIKE ‘%A%’

15. What is the salary of 'king'?

SELECT SAL

FROM EMP

WHERE ENAME LIKE ‘KING’

16. Who is the President for organization?

SELECT ENAME

FROM EMP

WHERE JOB LIKE ‘PRESIDENT’

17.  List all details of all the managers?

SELECT \*

FROM EMP

WHERE JOB LIKE ‘MANAGER’

18. Give employee details for employees drawing commission?

SELECT \*

FROM EMP

WHERE COMM NOT NULL AND COMM !=0

19. List employees who joined before april-1981?

SELECT ename

FROM emp

WHERE hiredate < '1-APR-81'

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

SELECT ename, sal

FROM emp

WHERE ename IN ('KING','BLAKE','FORD','SMITH');

21. Who is drawing salary less than 3500

SELECT ENAME,SAL

FROM EMP

WHERE SAL < '3500'

22. List the details of all the clerks

SELECT \*

FROM EMP

WHERE JOB LIKE ‘CLERK’

23. what is the annual salary for each the employees

SELECT ENAME,SAL\*12 AS ANSAL

FROM EMP

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

SELECT ENAME,SAL,(SAL\*1.2)\*12 AS NEWSAL

FROM EMP

WHERE ENAME LIKE 'FORD'

25. What is the total salary for each department

SELECT deptno,SUM(sal) FROM emp

GROUP BY DEPTNO

26. Who is drawing the lowest salary in dept 10

SELECT ename,sal

FROM emp

WHERE deptno=10

ORDER BY 2

LIMIT 1

27. What is the average salary for Managers

SELECT AVG(SAL)

FROM EMP

WHERE JOB LIKE 'MANAGER'

28. What is the total salary for salesman

SELECT SUM(SAL)

FROM EMP

WHERE JOB LIKE ‘SALESMAN’

29. Which department is having the lowest average salary?

SELECT DEPTNO, AVG(SAL)

FROM EMP

GROUP BY DEPTNO

ORDER BY 2

LIMIT 1

30. How many persons are in each role

SELECT JOB,COUNT(ENAME)

FROM [EMP]

GROUP BY JOB

31. What is the highest salary among analyst

SELECT,MAX(SAL)

FROM EMP

WHERE JOB LKE 'ANALYST'

32. What is the highest commission paid

SELECT MAX(COMM)

FROM [EMP]

33. How many departments are there

SELECT DEPTNO,COUNT(DEPTNO)

FROM [EMP]

GROUP BY DEPTNO

34. List the names in which 3rd  character is L

SELECT ENAME

FROM [EMP]

WHERE ENAME LIKE '\_\_L%'

**2ND SET**

1.List the department without any employees in it.

SELECT DNAME FROM [DEPT]

WHERE DEPTNO NOT IN (SELECT DEPTNO FROM EMP)

2. List the name and job of the employees who does not report to anybody.

SELECT ENAME FROM [EMP]

WHERE MGR IS NULL

3.Write a query that will give you the names and jobs of all employees in New York with a commission above 10

SELECT ENAME,JOB, COMM

FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO FROM DEPT

WHERE LOC LIKE 'NEW YORK') AND COMM <10

4. How many employees work in Chicago?

SELECT COUNT(ENAME)

FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO FROM DEPT

WHERE LOC LIKE 'CHICAGO')

5. Which employees work in Chicago?

SELECT ENAME

FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO FROM DEPT

WHERE LOC LIKE 'CHICAGO')

6. List the employees’ names and cities in which they work. Order the list by city.

SELECT E.ENAME,D.LOC

FROM EMP E

JOIN DEPT D

WHERE E.DEPTNO= D.DEPTNO

ORDER BY LOC

7 Find the number or different employees and number of departments.

SELECT COUNT(DISTINCT empno) as NumberOfEmployees,

COUNT(DISTINCT deptno) as NumberOfDepartments

FROM emp

8. Display the employees who were hired before their managers.

SELECT ename

FROM (SELECT x.\*, y.hiredate as mgr\_hiredate

FROM emp x JOIN emp y

ON x.mgr = y.empno

)

WHERE hiredate < mgr\_hiredate

1. Determine the number of managers without listing them.

SELECT COUNT(DISTINCT mgr)

FROM emp

1. Display the name and title of all employees who do not have a manager.

SELECT ename , job FROM emp

WHERE mgr IS NULL

1. Create a query to display the employee name and department number for employee SMITH.

SELECT ename, deptno

FROM emp

WHERE ename LIKE 'SMITH'

1. Display the salesmen who are not in Boston

SELECT ename FROM emp

WHERE deptno not in ( SELECT deptno

FROM dept

WHERE loc LIKE 'BOSTON')

AND job LIKE 'SALESMAN'

(OR)

SELECT ename FROM emp e

JOIN dept d USING (deptno)

WHERE d.loc LIKE 'BOSTON'

AND e.job LIKE 'SALESMAN'

1. List the details of the employees along with their location

SELECT \*,loc FROM emp e JOIN dept d

USING (deptno)

1. List the salesmen who are drawing salary less than Miller

SELECT ename FROM emp

WHERE job LIKE 'SALESMAN'

AND sal < (SELECT sal FROM emp WHERE ename LIKE 'MILLER')

1. Display the details of the employee working in Chicago

SELECT \* FROM emp e JOIN dept d

WHERE e.deptno=d.deptno

AND d.loc LIKE 'CHICAGO'

(Or)

SELECT \* FROM emp

WHERE deptno IN

(

SELECT deptno

FROM dept

WHERE loc LIKE 'CHICAGO'

)

1. Find the names of all employees whose salaries are greater than the minimum salary for the Manager

SELECT ename FROM emp

WHERE sal > (SELECT MIN(sal) FROM emp WHERE job LIKE 'MANAGER')

1. Select the last name and job id from all employees whose department id is equal to Accounting.

SELECT ename, job FROM emp e JOIN dept d

WHERE e.deptno=d.deptno

AND dname LIKE 'ACCOUNTING'

(or)

SELECT ename, job FROM emp WHERE deptno IN

(SELECT d.deptno FROM dept d WHERE dname LIKE 'ACCOUNTING')

1. Display those emp who are working as manager

SELECT ename FROM emp WHERE empno in

(SELECT mgr FROM emp)