

ANSWERS ON SUBQUERY:

1.DISPLAY ALL THE EMPLOYEES WHOSE DEPARTMENT NAMES ENDING 'S'

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
                FROM DEPT
                WHERE DNAME LIKE '%S');
```

2.QUERY TO DISPLAY THE EMPLOYEE NAMES WHO IS HAVING MAXIMUM SALARY IN DEPT NAME "ACCOUNTING"

```
SELECT ENAME
FROM EMP
WHERE SAL IN(SELECT MAX(SAL)
             FROM EMP
             WHERE DEPTNO IN(SELECT DEPTNO
                             FROM DEPT
                             WHERE DNAME='ACCOUNTING');
```

3.QUERY TO DISPLAY THE DEPT NAME WHO IS HAVING HIGHEST COMMISSION

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
                FROM EMP
                WHERE COMM =(SELECT MAX(COMM)
                             FROM EMP);
```

4. QUERY TO DISPLAY THE EMPLOYEE NAMES WHOSE NAME AS 2ND CHARACTER SHOULD BE 'O'.

4. QUERY TO DISPLAY THE EMPLOYEE NAMES WHOSE DEPARTMENT NAME HAS 2ND CHARACTER AS 'O'.

```
SELECT ENAME  
  
FROM EMP  
  
WHERE DEPTNO IN(SELECT DEPTNO  
  
FROM DEPT  
  
DNAME LIKE '_O%');
```

5. QUERY TO DISPLAY ALL THE EMPLOYEES WHO'S DEPT NUMBER IS SAME AS SCOTT.

```
SELECT ENAME  
  
FROM EMP  
  
WHERE DEPTNO IN(SELECT DEPTNO  
  
FROM EMP  
  
WHERE ENAME='SCOTT');
```

6.QUERY TO DISPLAY ALL THE EMPLOYEES IN 'OPERATIONS AND ACCOUNTING' DEPT.

```
SELECT ENAME  
  
FROM EMP  
  
WHERE DEPTNO IN(SELECT DEPTNO  
  
FROM DEPT  
  
WHERE DNAME IN('OPERATIONS','ACCOUNTING'));
```

7.LIST THE EMPLOYEES WHO HAS SALARY GREATER THAN MILLER

```
SELECT ENAME
FROM EMP
WHERE SAL>(SELECT SAL
            FROM EMP
            WHERE ENAME='MILLER');
```

8. LIST DEPARTMENT NAME HAVING ATLEAST 3 SALESMAN

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
                FROM EMP
                WHERE JOB='SALESMAN'
                GROUP BY DEPTNO
                HAVING COUNT(*)>=3);
```

9. DISPLAY ALL EMPLOYESS WHO DO NOT HAVE ANY REPORTER.

```
SELECT ENAME
FROM EMP
WHERE EMPNO NOT IN( SELECT MGR
                   FROM EMP
                   WHERE MGR IS NOT NULL);
```

**10. LIST ALL THE EMPLOYEES WHO ARE REPORTING TO JONES
MANAGER**

```
SELECT ENAME
FROM EMP
WHERE MGR=(SELECT MGR
            FROM EMP
            WHERE ENAME='JONES');
```

**11. LIST EMPLOYEES FROM RESEARCH&ACCOUNTING HAVING AT
LEAST 2 REPORTING.**

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
                FROM DEPT
                WHERE DNAME IN('RESEARCH','ACCOUNTING'))
AND EMPNO IN(SELECT MGR
             FROM EMP
             GROUP BY MGR
             HAVING COUNT(*)>=2));
```

**12. DISPLAY THE DEPARTMENT NAME OF THE EMPLOYEE WHOSE
NAME DOES NOT STARTS WITH S AND SALARY BETWEEN 1500 TO 3000.**

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
                FROM EMP
                WHERE ENAME NOT LIKE 'S%'
                AND SALARY BETWEEN 1500 AND 3000);
```

WHERE ENAME NOT LIKE'S%' AND SAL BETWEEN
1500 AND 3000);

**13.DISPLAY LOCATION OF EMPLOYEE WHOSE SALARY IS MINIMUM
SALARY BUT SALARY IS GREATER THAN 2000**

SELECT LOC
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE SAL IN(SELECT MIN(SAL)
FROM EMP
WHERE SAL>2000));

**14. DISPLAY THE LOCATION OF AN EMPLOYEE IN ACCOUNTING
DEPARTMENT.**

SELECT LOC
FROM DEPT
WHERE DEPTNO IN (SELECT DEPTNO
FROM EMP
WHERE DEPTNO IN (SELECT DEPTNO
FROM DEPT
WHERE
DNAME='ACCOUNTING'));

**15. DISPLAY THE DEPARTMENT LOCATION THAT IS HAVING GREATER
THAN FOUR EMPLOYEES IN IT.**

SELECT LOC
FROM DEPT

16. WRITE A QUERY TO DISPLAY ALL THE EMPLOYEE WHOSE JOB NOT SAME AS ALLEN AND SALARY IS GREATER THAN MARTIN.

17. DISPLAY ALL THE EMPLOYEES WHO IS HAVING LOCATION IS SAME AS ADAM'S MANAGER?

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN (SELECT DEPTNO
FROM DEPT
WHERE LOC IN (SELECT LOC
FROM DEPT
WHERE DEPTNO IN (SELECT DEPTNO
FROM EMP
WHERE EMPNO IN (SELECT MGR
```

```
FROM EMP
WHERE ENAME='ADAMS'))))
```

18. DISPLAY THE JOB, MANAGER NUMBER OF EMPLOYEES WHO IS WORKING FOR JONES?

```
SELECT JOB
FROM EMP
WHERE MGR=(SELECT EMPNO
            FROM EMP
            WHERE ENAME='JONES');
```

19. DISPLAY THE EMPLOYEE NAMES, HIGHER DATE, COMMISSION OF FORD'S MANAGER?

```
SELECT ENAME, HIREDATE, COMM
FROM EMP
WHERE EMPNO=(SELECT MGR
              FROM EMP
              WHERE ENAME='FORD');
```

20. DISPLAY THE NUMBER OF EMPLOYEES WHO ARE GETTING SALARY LESS THAN THE BLAKE'S MANAGER

```
SELECT COUNT(*)
FROM EMP
WHERE SAL<(SELECT SAL
            FROM EMP
            WHERE EMPNO=(SELECT MGR
                          FROM EMP
```

WHERE ENAME='BLAKE')));

21. LIST EMPLOYEES WHO LOCATED IN CHICAGO AND THEIR COMMISSION IS ZERO.

SELECT ENAME

FROM EMP

WHERE DEPTNO=(SELECT DEPTNO

FROM DEPT

WHERE LOC='CHICAGO') AND COMM =0;

22. LIST EMPLOYEES WHO WORK FOR SALES DEPARTMENT AND THEIR SALARY GREATER THAN AVERAGE SALARY OF THEIR DEPARTMENT.

SELECT ENAME

FROM EMP

WHERE DEPTNO=(SELECT DEPTNO

FROM DEPT

WHERE DNAME='SALES') AND SAL>(SELECT

AVG(SAL)

FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO

FROM DEPT

WHERE DNAME='SALES'))


```
SSELECT ENAME  
FROM EMP  
WHERE DEPTNO=(SELECT DEPTNO  
FROM DEPT  
WHERE DNAME='RESEARCH') AND JOB='MANAGER';
```

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO=(SELECT DEPTNO
                FROM EMP
                WHERE COMM IS NOT NULL);
```

```
SELECT DNAME  
FROM DEPT  
WHERE DEPTNO IN(SELECT DEPTNO  
FROM EMP  
WHERE SAL IN (SELECT MAX(SAL)  
FROM EMP) AND MGR IS NULL);
```

26. DISPLAY EMPLOYEE DETAILS WHO ARE REPORTING TO BLAKE AND HAVE COMMISSION WITHOUT USING NULL OR NOT NULL

```
SELECT *  
FROM EMP  
WHERE MGR=(SELECT EMPNO  
            FROM EMP  
            WHERE ENAME='BLAKE') AND COMM >=0;
```

27. LIST ALL THE DEPT NAME AND LOC OF ALL THE SALESMAN MANAGER-MANAGER'S

```
SELECT DNAME,LOC  
FROM DEPT  
WHERE DEPTNO IN(SELECT DEPTNO  
                FROM EMP  
                WHERE EMPNO IN(SELECT MGR  
                                FROM EMP  
                                WHERE EMPNO IN(SELECT MGR  
                                                FROM EMP  
                                                WHERE JOB='SALESMAN'))));
```

28. LIST THE EMPLOYEE DEPT NAME AND LOC OF ALL THE EMPLOYEES WHO ARE CLERK ,REPORTING TO BLAKE AND SALARY IS LESSER THAN MARTIN SALARY

```
SELECT DNAME,LOC  
FROM DEPT  
WHERE DEPTNO IN(SELECT DEPTNO
```

```

FROM EMP
WHERE JOB ='CLERK') AND MGR IN(SELECT EMPNO
FROM EMP
WHERE ENAME ='BLAKE') AND SAL<(SELECT SAL
FROM EMP
WHERE ENAME ='MARTIN');

```

29. LIST THE EMPLOYEES WHO DOES NOT DIRECTLY REPORT TO PRESIDENT,HAVE COMMISSION AND SALARY MORE THAN MAX SALARY OF ALL THE CLERK WITHOUT USING NULL OR NOT NULL

```

SELECT ENAME
FROM EMP
WHERE MGR IN(SELECT EMPNO
FROM EMP
WHERE MGR IN(SELECT EMPNO
FROM EMP
WHERE JOB='PRESIDENT')) AND COMM >=0 AND SAL>(SELECT
MAX(SAL)
FROM EMP
WHERE JOB='CLERK');

```

30. LIST THE EMPLOYEES WHO JOINED AFTER 2 YEARS OF FIRST EMPLOYEE OF THE COMPANY AND MORE THAN BLAKE SALARY

```

SELECT ENAME
FROM EMP
WHERE HIREDATE>(SELECT MIN(HIREDATE)+365*2
FROM EMP) AND SAL>(SELECT SAL

```

```
FROM EMP
WHERE ENAME='BLAKE');
```

31. DISPLAY LOCATION OF ALL THE EMPLOYEES WHO REPORTING TO BLAKE

```
SELECT LOC
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE MGR IN(SELECT EMPNO
FROM EMP
WHERE ENAME='BLAKE'));
```

32. LIST ALL THE EMPLOYEES WHOSE JOB IS SAME AS JONES AND THEIR SALARY LESSER THAN SCOTT

```
SELECT ENAME
FROM EMP
WHERE JOB=(SELECT JOB
FROM EMP
WHERE ENAME='JONES') AND SAL<(SELECT SAL
FROM EMP
WHERE ENAME='SCOTT');
```

33.DISPLAY ALL THE EMPLOYEES OF DEPARTMENT 30, 20 WITH THERE ANUAL SALARY AND HAVING AT LEAST 3 EMPLOYEES

```
SELECT ENAME,SAL*12 ANN_SAL
FROM EMP
```

```
WHERE DEPTNO IN ( SELECT DEPTNO
FROM EMP
WHERE DEPTNO IN(30,20)
GROUP BY DEPTNO
HAVING COUNT(*)>=3);
```

34.DISPLAY ALL THE EMPLOYEES WHO ARE EARN LESS THAN ANY OF THE SALESMAN?

```
SELECT ENAME
FROM EMP
WHERE SAL < ANY (SELECT SAL
FROM EMP
WHERE JOB ='SALESMAN');
```

35.DISPLAY ALL THE EMPLOYEES WHO ARE JOINED BEFORE THE LAST PERSON?

```
SELECT ENAME
FROM EMP
WHERE HIREDATE<(SELECT MAX(HIREDATE)
FROM EMP);
```

35.FIND 3RD MINIMUM SALARY IN THE EMPLOYEE TABLE.

```
SELECT MIN(SAL)
FROM EMP
WHERE SAL>(SELECT MIN(SAL)
FROM EMP
WHERE SAL>(SELECT MIN(SAL)
```

FROM EMP));

36.DISPLAY ALL THE EMPLOYEES WHO ARE EARNING MORE THAN ANY OF THE MANAGER.

SELECT ENAME

FROM EMP

WHERE SAL > ANY(SELECT SAL

FROM EMP

WHERE JOB='MANAGER');

37.LIST EMPLOYEES WHO JOINED AFTER 4 YEARS OF 1ST EMPLOYEE OF THE COMPANY AND LESS THAN BLAKE SALARY.

SELECT ENAME

FROM EMP

WHERE HIREDATE>(SELECT MIN(HIREDATE)+365*4

FROM EMP) AND SAL<(SELECT SAL

FROM EMP

WHERE ENAME='BLAKE');

38. DISPLAY THE DEPARTMENT INFORMATION OF EMPLOYEE WHO IS WORKING FOR NEW YORK LOCATION

SELECT *

FROM DEPT

WHERE DEPTNO IN (SELECT DEPTNO

FROM EMP

WHERE DEPTNO IN (SELECT DEPTNO

FROM DEPT

WHERE LOC IN 'NEW YORK'));

39.DISPLAY LOCATION OF EMPLOYEES, WHOSE NAME DOESN'T START WITH A AND SALARY BETWEEN 1000 AND 3000.

SELECT LOC

FROM DEPT

WHERE DEPTNO IN(SELECT DEPTNO

FROM EMP

WHERE ENAME NOT LIKE 'A%' AND SAL BETWEEN 1000 AND 3000);

40. DISPLAY DEPARTMENT NAME OF ALL THE EMPLOYEES WHO ARE REPORTING TO BLAKE.

SELECT DNAME

FROM DEPT

WHERE DEPTNO IN(SELECT DEPTNO

FROM EMP

WHERE MGR IN(SELECT EMPNO

FROM EMP

WHERE ENAME='BLAKE'));

41. DISPLAY MARTIN'S MANAGER'S MANAGER'S DEPARTMENT NAME AND LOCATION.

SELECT DNAME,LOC

FROM DEPT

WHERE DEPTNO IN (SELECT DEPTNO

FROM EMP

WHERE EMPNO IN (SELECT MGR

FROM EMP

```
WHERE EMPNO IN(SELECT MGR
FROM EMP
WHERE ENAME='MARTIN')));
```

42.DISPLAY THE MANAGER NO,JOB AND DEPARTMENT NUMBER FOR THOSE WHO DON'T HAVE COMMISSION

42.DISPLAY THE MANAGER NUMBER,JOB AND DEPARTMENT NUMBER FOR THOSE WHO DON'T HAVE COMMISSION IN THE LOCATION CHICAGO OR DALLAS

```
SELECT MGR,JOB,DEPTNO
FROM EMP
WHERE COMM IS NULL;
```

43.DISPLAY THE EMPLOYEE DETAILS WITH THEIR ANNUAL SALARY WHO EARN MAXIMUM COMMISSION

```
SELECT EMP.*,SAL*12 ANN_SALS
FROM EMP
WHERE COMM IN (SELECT MAX(COMM)
FROM EMP);
```

44.DISPLAY ALL THE EMPLOYEE WHOSE DEPARTMENT IS SALES AND WHO IS EARNING SOME COMMISSION (I.E COMMISSION IS NOT NULL OR ZERO)AND WHO IS HIRED BEFORE THE LAST PERSON HIRED.

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN (SELECT DEPTNO
FROM DEPT
WHERE DNAME='SALES') AND COMM >=0 AND HIREDATE<(SELECT
MAX(HIREDATE)
FROM EMP);
```


45.DISPLAY ALL THE DEPARTMENT NAMES FOR WARD'S MANAGER'S MANAGER

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN (SELECT DEPTNO
FROM EMP
WHERE EMPNO IN(SELECT MGR
FROM EMP
WHERE EMPNO IN(SELECT MGR
FROM EMP
WHERE ENAME='WARD'))));
```

46:DISPLAY DEPARTMENT NAMES OF EMPLOYEE'S WHOSE SALARY IS GREATER THAN AVERAGE SALARY OF ALL THE CLERK'S

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN (SELECT DEPTNO
FROM EMP
WHERE SAL>(SELECT AVG(SAL)
FROM EMP
WHERE JOB='CLERK'));
```

47.DISPLAY THE LAST EMPLOYEE RECORD WITH 25% HIKE IN SALARY.

```
SELECT EMP.*,SAL+SAL*25/100 HIKE
FROM EMP
WHERE HIREDATE IN (SELECT MAX(HIREDATE)
```

FROM EMP);

48.DISPLAY THE DEPARTMENT NUMBER WHO WORKING IN SALES DEPARTMENT AND THEY ARE MANAGER.

```
SELECT DEPTNO
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE DNAME='SALES') AND JOB='MANAGER';
```

49.DISPLAY DEPARTMENT NAME OF THE EMPLOYEE WHO EARN MINMUM SALARY AND HAVE REPORTING MANAGER.

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE SAL IN(SELECT MIN(SAL)
FROM EMP where MGR IS NOT NULL));
```

50.DISPLAY HIREDATE AND JOB OF ALL THE EMPLOYEES WORKING FOR SALES

```
SELECT HIREDATE,JOB
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE DNAME='SALES');
```

51.DISPLAY LOCATION AND DNAME OF EMPLOYEE WHO WORKING AS PRESIDENT

```
SELECT LOC,DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE JOB='PRESIDENT');
```

52.DISPLAY THE DNAME OF EMPLOYEES WHOES SALARY IS MAXIMUM SALARY BUT LESSER THAN 3000

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE SAL IN(SELECT MAX(SAL)
FROM EMP
WHERE SAL<3000));
```

53.DISPLAY THE DEPARTMENT NAME WHO ARE REPORTING TO ADAMS.

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE MGR IN(SELECT EMPNO
FROM EMP
WHERE ENAME='ADAMS'));
```

54.DISPLAY LAST EMPLOYEE RECORD ACCORDING TO EMPNO.

```
SELECT *  
FROM EMP  
WHERE EMPNO IN(SELECT MAX(EMPNO)  
FROM EMP);
```

**55.DISPLAY ALL THE EMPLOYEE WHOSE SALARY IS GREATER THAN
AVERAGE SALARY OF DEPARTMENT 30.**

```
SELECT ENAME  
FROM EMP  
WHERE SAL>(SELECT AVG(SAL)  
FROM EMP  
WHERE DEPTNO=30);
```

**56.DISPLAY THE NUMBER OF EMPLOYEES WHO WORK FOR RESEARCH
DEPT AND THEIR SALARY IS LESSER THAN ONE OF THE SALARY IN
DEPARTMENT IN 10.**

```
SELECT COUNT(*)  
FROM EMP  
WHERE DEPTNO IN(SELECT DEPTNO  
FROM DEPT  
WHERE DNAME='RESEARCH') AND SAL<(SELECT MAX(SAL)  
FROM EMP  
WHERE DEPTNO=10);
```

57.DISPLAY THE DNAME THAT ARE HAVING CLERK IN IT.

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE JOB='CLERK');
```

58.DISPLAY THE DEPARTMENT NAMES THAT ARE HAVING ATLEAST ONE L IN IT.

```
SELECT DNAME
FROM DEPT
WHERE DNAME LIKE '%L%';
```

59. DISPLAY ALL THE EMPLOYEES WHO ARE JOINED AFTER BLAKE.

```
SELECT ENAME
FROM EMP
WHERE HIREDATE>(SELECT HIREDATE
FROM EMP
WHERE ENAME='BLAKE');
```

60. LIST THE DEPT NAME THAT ARE HAVING AT LEAST 3 EMPLOYEES BUT NOT MORE THAN 5 EMPLOYEES IN IT.

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN (SELECT DEPTNO
FROM EMP
GROUP BY DEPTNO
HAVING COUNT(*)>=3 AND COUNT (*)>5);
```

61. DISPLAY THE LOCATION OF ALL EMPLOYEES WHOSE REPORTING MANAGER SALARY IS GREATER THAN 2000.

```
SELECT LOC  
FROM DEPT  
WHERE DEPTNO IN ( SELECT DEPTNO  
FROM EMP  
WHERE SAL >200 AND EMPNO IN ( SELECT MGR  
FROM EMP  
WHERE MGR IS NOT NULL));
```

62.SELECT THE EMPLOYEES WHOSE DNAME IS HAVING AT LEAST TWO 'E' IN IT.

```
SELECT ENAME  
FROM EMP  
WHERE DEPTNO IN(SELECT DEPTNO  
FROM DEPT  
WHERE DNAME LIKE '%E%E%');
```

63.DISPLAY ENAME,SAL OF EMPLOYEES WHO ARE EARNING MORE THAN ANY OF THE ANALYST.

```
SELECT ENAME,SAL  
FROM EMP  
WHERE SAL > ANY (SELECT SAL  
FROM EMP  
WHERE JOB='ANALYST');
```

64.SELECT ALL THE EMPLOYEES WHO ARE WORKING FOR CHICAGO

SELECT ENAME

FROM EMP

WHERE DEPTNO IN(SELECT DEPTNO

FROM DEPT

WHERE LOC='CHICAGO');

65. QUERY TO DISPLAY EMPLOYEE NAMES WHO IS HAVING MINIMUM SALARY IN DEPARTMENT RESEARCH.

SELECT ENAME

FROM EMP

WHERE SAL IN(SELECT MIN(SAL)

FROM EMP

WHERE DEPTNO IN(SELECT DEPTNO

FROM DEPT

WHERE DNAME='RESEARCH'));

66.LIST THE DEPARTMENT NAMES THAT ARE HAVING SALESMAN.

SELECT DNAME

FROM DEPT

WHERE DEPTNO IN(SELECT DEPTNO

FROM EMP

WHERE JOB='SALESMAN');

67. LIST THE DEPARTMENT NAMES THAT ARE HAVING AT LEAST 3 EMPLOYEES IN IT.

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
GROUP BY DEPTNO
HAVING COUNT(*)>=3);
```

68.LIST EMPLOYEES FROM RESEARCH AND ACCOUNTING DEPARTMENT HAVING ATLEAST TWO REPORTING

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN (SELECT DEPTNO
FROM DEPT
WHERE DNAME='RESEARCH' AND DNAME='ACCOUNTING') AND EMPNO
IN (SELECT MGR
FROM EMP
GROUP BY MGR
HAVING COUNT(*)>=2);
```

69.WRITE A QUERY TO DISPLAY EMPLOYEE NAME, JOB,LOCATION OF ALL EMPLOYEES WHO ARE WORKING AS MANAGER AND WORKS AT CHICAGO.

```
SELECT ENAME,JOB,LOC
FROM EMP
WHERE JOB IN 'MANAGER'
AND DEPTNO IN (SELECT DEPTNO
```

```
FROM DEPT  
WHERE LOC IN 'CHICAGO');
```

70. SELECT ENAME OF EMPLOYEE WHO EARNS 2ND MAX SALARY AND WORKS FOR LOCATION DALLAS.

```
SELECT ENAME
FROM EMP
WHERE SAL<(SELECT MAX(SAL)
FROM EMP
WHERE SAL<(SELECT MAX(SAL)
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE LOC='DALLAS'))));
```

71. WRITE A QUERY TO DISPLAY THE EMPLOYEE INFORMATION WHO IS NOT TAKING COMMISSION AND JOINED COMPANY AFTER JULY 83.

```
SELECT *
FROM EMP
WHERE COMM IS NULL AND HIREDATE>'31-JUL-83';
```

72.LIST EMPLOYEES FROM SALES AND RESEARCH DEPARTMENT HAVING ATLEAST 2 REPORTING EMPLOYEES .

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE DNAME='SALES' AND DNAME='RESEARCH') AND EMPNO
IN(SELECT MGR
FROM EMP
GROUP BY MGR
```

HAVING COUNT(*)>=2);

**73.LIST EMPLOYEES WHO HAVE COMMISSION GREATER THAN
MAXIMUM SALARY OF ALL THE SALESMAN AND WHO DO NOT REPORT
TO KING DIRECTLY .**

SELECT ENAME

FROM EMP

WHERE COMM>(SELECT MAX(SAL)

FROM EMP

WHERE JOB='SALESMAN') AND MGR IN(SELECT EMPNO

FROM EMP

WHERE MGR NOT IN (SELECT EMPNO

FROM EMP

WHERE ENAME='KING'))

**74.DISPLAY THE LOCATION OF ALL THE DEAPRTMENTS WHICH HAVE
EMPLOYEES JOINED IN THE YEAR 81**

SELECT LOC

FROM DEPT

WHERE DEPTNO IN(SELECT DEPTNO

FROM EMP

WHERE HIREDATE LIKE '%81');

75.DISPLAY DEPARTMENT WISE MINIMUM SALARY WHICH IS LESS THAN AVERAGE SALARY OF EMPLOYEES.

```
SELECT MIN(SAL),DEPTNO
FROM EMP
WHERE SAL<(SELECT AVG(SAL)
FROM EMP)
GROUP BY DEPTNO
```

76.DISPLAY ALL THE EMPLOYEES WHO ARE REPORTING TO 'JONES'.

```
SELECT ENAME
FROM EMP
WHERE MGR IN(SELECT EMPNO
FROM EMP
WHERE ENAME='JONES');
```

77.DISPLAY ALL THE EMPLOYEE INFORMATION WHO ARE LIVING IN A LOCATION WHICH IS HAVING AT LEAST 2 'O' IN IT.

```
SELECT *
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE LOC LIKE '%O%O%');
```

78.DISPLAY THE NAMES OF EMPLOYEE FROM DEPARTMENT NUMBER 10 WITH SALARY GREATER THAN THAT OF ALL EMPLOYEE WORKING IN OTHER DEPARTMENTS.

```
SELECT ENAME  
FROM EMP  
WHERE DEPTNO=10 AND SAL> ALL (SELECT SAL  
FROM EMP  
WHERE DEPTNO<>10);
```

79.DISPLAY THE NAMES OF EMPLOYEES WHO EARN HIGHEST SALARY IN THEIR RESPECTIVE JOBS.

```
SELECT ENAME  
FROM EMP  
WHERE SAL IN (SELECT MAX(SAL)  
FROM EMP  
GROUP BY JOB );
```

80. DISPLAY THE EMPLOYEE NUMBER AND NAME OF EMPLOYEE WORKING AS CLERK AND EARNING HIGHEST SALARY AMONG CLERKS.

```
SELECT ENAME,EMPNO  
FROM EMP  
WHERE JOB='CLERK' AND SAL IN(SELECT MAX(SAL)  
FROM EMP  
WHERE JOB='CLERK');
```

81. WRITE A QUERY TO FIND SMITH'S MANAGER'S MANAGER HIREDATE.

```
SELECT HIREDATE
FROM EMP
WHERE EMPNO IN(SELECT MGR
FROM EMP
WHERE EMPNO IN(SELECT MGR
FROM EMP
WHERE ENAME='SMITH'));
```

82.LIST THE NUMBER OF EMPLOYEES WHOSE JOB IS SALESMAN WORKING FOR NEWYORK AND CHICAGO

```
SELECT COUNT(*)
FROM EMP
WHERE JOB='SALESMAN' AND DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE LOC IN ('NEW YORK' , 'CHICAGO'));
```

83. LIST THE DEPARTMENT NAMES IN WHICH THE EMPLOYEES ARE HIRED BETWEEN 1ST OF JAN 1981 AND 31ST DEC 1982 WITH SALARY MORE THAN 1800.

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE HIREDATE BETWEEN '01-JAN-81' AND '31-DEC-82' AND
SAL>1800);
```

84.DISPLAY LOCATION OF THE EMPLOYEE WHO EARN MAXIMUM SALARY AND HAVE NO REPORTING MANAGER

```
SELECT LOC
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE SAL IN(SELECT MAX(SAL)
FROM EMP
WHERE MGR IS NULL));
```

85. LIST EMPLOYEES WHO WORKS FOR ACCOUNTING DEPARTMENT AND THEIR SALARY GREATER THAN AVERAGE SALARY OF THEIR DEPARTMENT

```
SELECT ENAME
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE DNAME='ACCOUNTING') AND DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE SAL>(SELECT AVG(SAL)
FROM EMP));
```

86. DISPLAY LOCATION OF THE EMPLOYEE WHO EARN COMMISSION

```
SELECT LOC
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
```


WHERE COMM IS NOT NULL);

87.LIST THE EMPLOYEES WHO DOES NOT DIRECTLY REPORT TO PRESIDENT,HAVE COMMISSION AND SALARY MORE THAN MAX SALARY OF ALL THE CLERK WITHOUT USING NULL OR NOT NULL

SELECT ENAME

FROM EMP

WHERE MGR IN(SELECT EMPNO

FROM EMP

WHERE MGR IN(SELECT EMPNO

FROM EMP

WHERE JOB='PRESIDENT')) AND COMM >=0 AND SAL>(SELECT MAX(SAL)

FROM EMP

WHERE JOB='CLERK');

88.DISPLAY ALL THE EMPLOYEES WHOSE SALARY IS GREATER THAN AVG SAL OF DEPARTMENT 20

SELECT ENAME

FROM EMP

WHERE SAL>(SELECT AVG(SAL)

FROM EMP

WHERE DEPTNO=20);

89. LIST THE EMPLOYEE DEPTNAME AND LOC OF ALL THE EMPLOYEES WHO ARE CLERK ,REPORTING TO BLAKE AND SALARY IS LESSER THAN MARTIN SALARY

```
SELECT DNAME,LOC
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE JOB='CLERK' AND MGR IN(SELECT EMPNO
FROM EMP
WHERE ENAME='BLAKE' )AND SAL<(SELECT SAL
FROM EMP
WHERE ENAME='MARTIN'));
```

90.DISPLAY LOC AND DNAME WHOSE JOB IS MANAGER AND HAS SAL LESS THAN CLERK.

```
SELECT LOC,DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE JOB='MANAGER' AND SAL < (SELECT SAL
FROM EMP
WHERE JOB='CLERK'));
```

91.DISPLAY EMPLOYEES LOCATION WHO HAS SOME COMMISSION.

```
SELECT LOC  
FROM DEPT  
WHERE DEPTNO IN(SELECT DEPTNO  
FROM EMP  
WHERE COMM IS NOT NULL);
```

92.DISPLAY EMPNO, ENAME, JOB, WHOSE JOB HAS 'E' IN IT AND DISPLAY EMPNO IN DESCENDING ORDER.

```
SELECT EMPNO,ENAME,JOB  
FROM EMP  
WHERE JOB LIKE '%E%'  
ORDER BY EMPNO DESC;
```

93. DISPLAY DNAME, LOC,DEPTNO OF EMPLOYEES WHO HAS SAME REPORTING MANAGER???

```
SELECT DNAME,LOC,DEPTNO  
FROM DEPT  
WHERE DEPTNO IN(SELECT DEPTNO  
FROM EMP  
WHERE EMPNO IN(SELECT MGR  
FROM EMP  
GROUP BY MGR  
HAVING COUNT(*)>1));
```

94. DISPLAY AVG SALARY OF ALL EMPLOYEES WHOSE DEPT NAME IS ACCOUNTING???

```
SELECT AVG(SAL)
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE DNAME='ACCOUNTING');
```

95. DISPLAY ALL EMPLOYEES DETAILS WHOSE HIREDATE IS IN YEAR 81???

```
SELECT *
FROM EMP
WHERE HIREDATE LIKE '%81';
```

96. DISPAY DETAILS OF SMITH AND EMPLOYEES WORKING AS PRESIDENT ALONG WITH HIKE OF 35% IN SALARY.

```
SELECT EMP.*,SAL+SAL*35/100 HIKE
FROM EMP
WHERE ENAME='SMITH' OR JOB='PRESIDENT';
```

97. DISPLAY NUMBER OF EMPLOYEES WHOSE COMMISSION IS MORE THAN SALARY.

```
SELECT COUNT(*)
FROM EMP
WHERE COMM > ( SELECT SAL
FROM EMP);
```

98. LIST THE EMPLOYEES WHOSE DAILY SALARY IS GREATER THAN 1500 AND WHO ARE JOINED BEFORE 1982 ONLY.

```
SELECT ENAME  
FROM EMP  
WHERE SAL/30 >1500 AND HIREDATE <'01-JAN-82';
```

99. DISPLAY NUMBER OF EMPLOYEES WHOSE COMMISSION IS MORE THAN SALARY.

```
SELECT COUNT(*)  
FROM EMP  
WHERE COMM >(SELECT SAL  
FROM EMP);
```

100. LIST THE EMPLOYEES WHOSE DAILY SALARY IS GREATER THAN 1500 AND WHO ARE JOINED BEFORE 1982 ONLY.

```
SELECT ENAME  
FROM EMP  
WHERE SAL/30 >1500 AND HIREDATE <'01-JAN-82';
```

101. DISPLAY ALL THE EMPLOYEES WHOSE JOB SAME AS 'SMITH' AND DEPARTMENT SAME AS 'JONES' AND SALARY MORE THAN 'TURNER'

```
SELECT ENAME  
FROM EMP  
WHERE JOB IN(SELECT JOB  
FROM EMP  
WHERE ENAME='SMITH') AND DEPTNO IN(SELECT DEPTNO  
FROM DEPT
```

```
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE ENAME='JONES')) AND SAL>(SELECT SAL
FROM EMP
WHERE ENAME='TURNER');
```

102. DISPLAY ALL THE EMPLOYEES WHOSE NAME START WITH 'S' AND HAVING SALARY MORE THAN 'ALLEN' AND LESS THAN FORD

```
SELECT ENAME
FROM EMP
WHERE ENAME LIKE 'S%' AND SAL>(SELECT SAL
FROM EMP
WHERE ENAME='ALLEN') AND SAL<(SELECT SAL
FROM EMP
WHERE ENAME='FORD');
```

103. DISPLAY ALL THE CLERKS AND ANALYST WHO ARE NOT WORKING FOR 'DALLAS'

```
SELECT JOB
FROM EMP
WHERE JOB IN ('CLERK','ANALYST') AND DEPTNO NOT IN(SELECT
DEPTNO
FROM DEPT
WHERE LOC='DALLAS');
```

104. DISPLAY DEPARTMENT NAME WHICH IS HAVING AT LEAST ONE 'MANAGER'

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE JOB='MANAGER'
GROUP BY JOB
HAVING COUNT(*)>=1);
```

105. DISPLAY MAXIMUM SALARY OF 'SALES' DEPARTMENT

```
SELECT MAX(SAL)
FROM EMP
WHERE DEPTNO IN(SELECT DEPTNO
FROM DEPT
WHERE DNAME='SALES');
```

106. DISPLAY THE 2ND MAXIMUM SALARY

```
SELECT MAX(SAL)
FROM EMP
WHERE SAL<(SELECT MAX(SAL)
FROM EMP);
```

107.DISPLAY THE DEPT NAME OF THE EMP WHO GETS 3RD MAXIMUM SALARY

```
SELECT DNAME
FROM DEPT
WHERE DEPTNO IN(SELECT DEPTNO
FROM EMP
WHERE SAL=(SELECT MAX(SAL)
FROM EMP
WHERE SAL<(SELECT MAX(SAL)
FROM EMP
WHERE SAL<(SELECT MAX(SAL)
FROM EMP))))
```

108. DISPLAY ALL THE EMPLOYEES WHO ARE EARNING MORE THAN ALL THE MANAGERS(JOB).

```
SELECT ENAME
FROM EMP
WHERE SAL> ALL (SELECT SAL
FROM EMP
WHERE JOB='MANAGER');
```

109. DISPLAY ALL THE EMPLOYEES WHO ARE EARNING MORE THAN ANY OF THE MANAGER(JOB)

```
SELECT ENAME
FROM EMP
WHERE SAL>ANY(SELECT SAL
FROM EMP
```


WHERE JOB='MANAGER');

110. SELECT EMPNO, JOB AND SALARY OF ALL THE ANALYST WHO ARE EARNING MORE THAN ANY OF THE MANAGER(JOB)

SELECT EMPNO,JOB,SAL

FROM EMP

WHERE JOB='ANALYST' AND SAL>ANY (SELECT SAL

FROM EMP

WHERE JOB='MANAGER');

111. SELECT THE DEPARTMENT NAME AND LOCATION OF ALL THE EMPLOYEES WORKING FOR CLARK.

SELECT DNAME,LOC

FROM DEPT

WHERE DEPTNO IN(SELECT DEPTNO

FROM EMP

WHERE MGR IN(SELECT EMPNO

FROM EMP

WHERE ENAME='CLARK');

112. SELECT ALL THE EMPLOYEES WORKING FOR DALLAS

```
SELECT ENAME  
FROM EMP  
WHERE DEPTNO IN(SELECT DEPTNO  
FROM DEPT  
WHERE LOC='DALLAS');
```

**113. DISPLAY ALL THE EMPLOYEES WHOSE SALARY IS GREATER THAN
AVG SAL OF DEPARTMENT 20**

```
SELECT ENAME  
FROM EMP  
WHERE SAL>(SELECT AVG(SAL)  
FROM EMP  
WHERE DEPTNO=20);
```

114.DISPLAY ALL THE EMPLOYEES WHO GETS MAXIMUM SALARY.

```
SELECT ENAME  
FROM EMP  
WHERE SAL IN(SELECT MAX(SAL)  
FROM EMP);
```

115.DISPLAY FIRST EMPLOYEE RECORD BASED ON HIREDATE

```
SELECT *  
FROM EMP  
WHERE HIREDATE IN(SELECT MIN(HIREDATE)  
FROM EMP);
```