ANSWERS ON GROUP BY AND HAVING CLAUSE

1. WRITE A QUERY TO DISPLAY TOTAL SALARY NEEDED TO PAY EACH JOB IN EMPLOYEE TABLE.

   SELECT SUM(SAL),JOB

   FROM EMP

   GROUP BY JOB;

2. WRITE A QUERY TO DISPLAY THE HIRE DATE ON WHICH AT LEAST 3 EMPLOYEES WHERE HIRED.

   SELECT HIREDATE

   FROM EMP

   GROUP BY HIREDATE

   HAVING COUNT(*)>=3;

3. WRITE A QUERY TO DISPLAY THE DEPARTMENT NUMBER WHICH HAS MORE THAN 2 EMPLOYEES AND THE TOTAL AMOUNT REQUIRED TO PAY THE MONTHLY SALARIES OF ALL THE EMPLOYEES IN THAT DEPARTMENT SHOULD BE MORE THAN 9000.

   SELECT DEPTNO,SUM(SAL)

   FROM EMP

   WHERE SAL>9000

   GROUP BY DEPTNO

   HAVING COUNT(*)>2;

4. WRITE A QUERY TO DISPLAY NUMBER OF EMPLOYEES WORKING IN EACH DEPARTMENT AND ITS' AVERAGE SALARY BY EXCLUDING ALL THE EMPLOYEES WHOSE SALARY IS LESS THAN THEIR COMMISSION.

   SELECT COUNT(*),AVG(SAL)

   FROM EMP

WHERE SAL<COMM

GROUP BY DEPTNO;

5.WRITE A QUERY TO DISPLAY THE SALARIES WHICH HAS REPETITIONS IN THE SAL COLUMN OF EMPLOYEE TABLE.

SELECT COUNT(*),SAL

FROM EMP

GROUP BY SAL

HAVING COUNT(*)>=1;

6.WRITE A QUERY TO DISPLAY THE EMPLOYEE NAME ONLY IF MORE THAN ONE PERSON IN THE EMPLOYEES OF THE COMPANY HAS SAME NAME.

SELECT ENAME,COUNT(*)

FROM EMP

GROUP BY ENAME

HAVING COUNT(*)>1;

7.WRITE A QUERY TO DISPLAY THE DEPARTMENT NUMBER WHOSE AVERAGE SALARY IS BETWEEN 2500 AND 3000.

SELECT DEPTNO,AVG(SAL)

FROM EMP

WHERE SAL BETWEEN 2500 AND 3000

GROUP BY DEPTNO;

8.WRITE A QUERY TO DISPLAY THE NUMBER OF EMPLOYEES ONLY IF THEY ARE WORKING AS MANAGER OR ANALYST AND THEIR ANNUAL SAL SHOULD END WITH A ZERO, IN EACH DEPARTMENT.

SELECT COUNT(*),DEPTNO

FROM EMP

WHERE JOB IN('MANAGER','ANALYST') AND SAL*12 LIKE '%0'

GROUP BY DEPTNO;

9.WRITE A QUERY TO DISPLAY NO OF CLERKS WORKING IN EACH DEPARTMENT.

SELECT COUNT(JOB),DEPTNO

FROM EMP

WHERE JOB='CLERK'

GROUP BY DEPTNO;

10.WRITE A QUERY TO DISPLAY HIGHEST SALARY GIVEN TO A MANAGER IN EACH DEPARTMENT.

SELECT MAX(SAL),DEPTNO

FROM EMP

WHERE JOB='MANAGER'

GROUP BY DEPTNO;

11.WRITE A QUERY TO DISPLAY NO OF TIMES THE SALARIES HAVE REPEATED IN THE EMP TABLE.

SELECT COUNT(SAL),SAL

FROM EMP

GROUP BY SAL

HAVING COUNT(*)>1;

12.WRITE A QUERY TO DISPLAY DEPTNO AND NUNBER OF EMPLOYEES WORKING IN EACH DEPARTMENT EXCEPT FOR THOSE WORKING IN DEPT 10

SELECT DEPTNO,COUNT(*)

FROM EMP

WHERE DEPTNO<>10

GROUP BY DEPTNO;

13.WAQTD NUMBER OF EMPLOYEES GETTING COMISSION IN EACH DEPARTMENT

SELECT COUNT(*),DEPTNO

FROM EMP

WHERE COMM IS NOT NULL

GROUP BY DEPTNO;

14.WAQTD NUMBER OF EMPLOYEES GETTING SALARY MORE THAN 1600 EXCLUDING ALL THE MANAGERS IN EACH DEPARTEMNT

SELECT COUNT(*),DEPTNO

FROM EMP

WHERE SAL>1600 AND JOB<>'MANAGER'

GROUP BY DEPTNO;

15.WAQTD AVERAGE SALARY NEEDED TO PAY ALL THE EMPLOYEES WHO ARE HAVING A REPORTING MANAGER IN EACH JOB.

SELECT AVG(SAL),JOB

FROM EMP

WHERE MGR IS NOT NULL

GROUP BY JOB;

16.WAQTD NUMBER OF EMPLOYEES HIRED INTO THE SAME DEPARTMENT ON THE SAME DAY

SELECT COUNT(*),HIREDATE

FROM EMP

GROUP BY HIREDATE

HAVING COUNT(*)>1;

17.WAQTD NUMBER OF EMPLOYEES GETTING THE SAME SALARY, WORKING IN THE SAME DEPARTMENT

SELECT COUNT(*),DEPTNO,SAL

FROM EMP

GROUP BY DEPTNO,SAL

HAVING COUNT(SAL)>1;

18.WAQTD MAXIMUM SALARY GIVEN IN EACH DESIGNATION EXCLUDING THOSE WHOS NAME STARTS WITH 'K'

SELECT MAX(SAL),JOB

FROM EMP

WHERE ENAME NOT LIKE'K%'

GROUP BY JOB;

19.WAQTD NUMBER OF EMPLOYEES REPORTING TO 7839

SELECT COUNT(*)

FROM EMP

WHERE MGR=7839;

20.WAQTD NUMBER OF EMPLOYEE NAMES STARTING WITH AN VOWEL IN EACH DEPARTMENT

SELECT ENAME

FROM EMP

WHERE ENAME LIKE 'A%' OR ENAME LIKE 'E%' OR ENAME LIKE 'I%' OR ENAME LIKE 'O%' OR ENAME LIKE 'U%';