QUESTIONS ON GROUP BY AND HAVING CLAUSE

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| 1. WRITE A QUERY TO DISPLAY TOTAL SALARY NEEDED TO PAY EACH JOB IN EMPLOYEE TABLE.   A:  SELECT SUM(SAL), DNAME  FROM DEPT D, EMP E  WHERE D.DEPTNO=E.DEPTNO  GROUP BY DNAME; |
| 1. WRITE A QUERY TO DISPLAY THE HIRE DATE ON WHICH AT LEAST 3 EMPLOYEES WHERE HIRED.   A:  SELECT HIREDATE  FROM EMP E  GROUP BY HIREDATE  HAVING COUNT(\*)>=3 ; |
| 1. 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.   A:  SELECT DEPTNO  FROM EMP  GROUP BY DEPTNO  HAVING (COUNT(\*)>2 AND SUM(SAL) >9000); |
| 1. 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.   A:  SELECT DEPTNO, COUNT(\*), AVG(SAL)  FROM EMP  WHERE SAL<COMM  GROUP BY DEPTNO; |
| 1. WRITE A QUERY TO DISPLAY THE SALARIES WHICH HAS REPETITIONS IN THE SAL COLUMN OF EMPLOYEE TABLE.   A:  SELECT SAL  FROM EMP  GROUP BY SAL HAVING COUNT(\*)>1; |
| 1. WRITE A QUERY TO DISPLAY THE EMPLOYEE NAME ONLY IF MORE THAN ONE PERSON IN THE EMPLOYEES OF THE COMPANY HAS SAME NAME.   A:  SELECT ENAME  FROM EMP  GROUP BY ENAME  HAVING COUNT(\*) >1; |
| 1. WRITE A QUERY TO DISPLAY THE DEPARTMENT NUMBER WHOSE AVERAGE SALARY IS BETWEEN 2500 AND 3000.   A:  SELECT DEPTNO  FROM EMP E  GROUP BY DEPTNO  HAVING AVG(SAL) BETWEEN 2500 AND 3000 ; |
| 1. 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.   A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  WHERE JOB IN ('MANAGER','ANALYST')  AND SAL\*12 LIKE '%0'  GROUP BY DEPTNO; |
| 1. WRITE A QUERY TO DISPLAY NO OF CLERKS WORKING IN EACH DEPARTMENT.   A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  WHERE JOB IN 'CLERK'  GROUP BY DEPTNO ; |
| 1. WRITE A QUERY TO DISPLAY HIGHEST SALARY GIVEN TO A MANAGER IN EACH DEPARTMENT.   A:  SELECT DEPTNO, MAX(SAL)  FROM EMP  WHERE JOB IN 'MANAGER'  GROUP BY DEPTNO; |
| 1. WRITE A QUERY TO DISPLAY NO OF TIMES THE SALARIES HAVE REPEATED IN THE EMP TABLE.   A:  SELECT SAL, COUNT(\*)  FROM EMP  GROUP BY SAL; |
| 1. WRITE A QUERY TO DISPLAY DEPTNO AND MUNBER OF EMPLOYEES   WHO IS WORKING IN EACH DEPARTMENT EXCEPT FOR THOSE  WORKING IN DEPT 10.  A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  WHERE DEPTNO NOT IN 10  GROUP BY DEPTNO; |
| 1. WAQTD NUMBER OF EMPLOYEES GETTING COMISSION IN EACH   DEPARTMENT  A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  WHERE COMM IS NOT NULL  GROUP BY DEPTNO; |
| 1. WAQTD NUMBER OF EMPLOYEES GETTING SALARY MORE THAN 1600   EXCLUDING ALL THE MANAGERS IN EACH DEPARTEMNT  A:  SELECT DEPTNO , COUNT(\*)  FROM EMP  WHERE JOB NOT IN 'MANAGER' AND SAL>1600  GROUP BY DEPTNO; |
| 1. WAQTD AVERAGE SALARY NEEDED TO PAY ALL THE EMPLOYEES WHO ARE HAVING A REPORTING MANAGER IN EACH JOB .   A:  SELECT JOB, AVG(SAL)  FROM EMP  WHERE MGR IS NOT NULL  GROUP BY JOB; |
| 1. WAQTD NUMBER OF EMPLOYEES HIRED INTO THE SAME DEPARTMENT ON THE SAME DAY   A:  SELECT COUNT(\*)  FROM EMP  GROUP BY (DEPTNO, HIREDATE)  HAVING COUNT(\*) >1; |
| 1. WAQTD NUMBER OF EMPLOYEES GETTING THE SAME SALARY ,   WORKING IN THE SAME DEPARTMENT  A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  GROUP BY (DEPTNO, SAL)  HAVING COUNT(\*) >1; |
| 1. WAQTD MAXIMUM SALARY GIVEN IN EACH DESIGNATION EXCLUDING THOSE WHOS NAME STARTS WITH ‘K’   A:  SELECT JOB, MAX(SAL)  FROM EMP  WHERE ENAME LIKE 'K%'  GROUP BY JOB; |
| 1. WAQTD NUMBER OF EMPLOYEES REPORTING TO 7839 IN EACH DEPT   A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  WHERE MGR=7839  GROUP BY DEPTNO; |
| 1. WAQTD NUMBER OF EMPLOYEE NAMES STARTING WITH AN VOWEL IN EACH DEPARTMENT   A:  SELECT DEPTNO, COUNT(\*)  FROM EMP  WHERE ENAME LIKE'A%'  OR ENAME LIKE 'E%'  OR ENAME LIKE 'I%'  OR ENAME LIKE 'O%'  OR ENAME LIKE 'U%'  GROUP BY DEPTNO; |