**Group By Clause**

1. **WAQTD NUMBER OF EMPLOYEES WORKING IN EACH DEPARTEMENT EXCEPT PRESIDENT**

**Ans: SELECT COUNT(\*), JOB**

**FROM EMP**

**WHERE JOB NOT IN 'PRESIDENT'**

**GROUP BY JOB;**

1. **WAQTD TOTAL SALARY NEEDED TO PAY ALL THE EMPLOYEES IN EACH JOВ**

**Ans:**

**SELECT COUNT(\*), SUM(SAL) ,JOB**

**FROM EMP**

**GROUP BY JOB;**

1. **WAQTD NUMBER OF EMPLOYEEES WORKING AS MANAGER IN EACH DEPARTMENT**

**Ans:**

**SELECT COUNT(\*),DEPTNO**

**FROM EMP**

**WHERE JOB IN 'MANAGER'**

**GROUP BY DEPTNO;**

1. **WAQTD AVG SALARY NEEDED TO PAY ALL THE EMPLOYEES IN EACH DEPARTMENT EXCLUDING THE EMPLOYEES OF DEPTNO 20**

**Ans:**

**SELECT COUNT(\*), DEPTNO, AVG(SAL)**

**FROM EMP**

**WHERE DEPTNO NOT IN 20**

**GROUP BY DEPTNO;**

1. **WAQTD NUMBER OF EMPLOYEES HAVING CHARACTER 'A' IN THEIR NAMES IN EACH JOB**

**Ans:**

**SELECT COUNT(\*),JOB**

**FROM EMP WHERE ENAME LIKE '%A%' GROUP BY JOB;**

1. **WAQTD NUMBER OF EMPLOYEES AND AVG SALARY NEEDED TO PAY THE EMPLOYEES WHO'S SALARY IS GREATER THAN 2000 IN EACH DEPARTMENT**

**Ans:**

**SELECT COUNT(\*), AVG(SAL), DEPTNO**

**FROM EMP**

**WHERE SAL>2000**

**GROUP BY DEPTNO;**

1. **WAQOTD NUMBER OF EMPLOYEES AND TOTAL SALARY GIVEN TO ALL THE SALESMAN IN EACH DEPT**

**Ans:**

**SELECT COUNT(\*), SUM(SAL), DEPTNO**

**FROM EMP**

**WHERE JOB IN 'SALESMAN'**

**GROUP BY DEPTNO;**

1. **WAQTD NUMBER OF EMPLOYEES WITH THEIR MAXIMUM SALARIES IN EACH JOB**

**Ans:**

**SELECT COUNT(\*),JOB, MAX(SAL)**

**FROM EMP**

**GROUP BY JOB;**

1. **WAQTD MAXIMUM SALARIES GIVEN TO AN EMPLOYEE WORKING IN EACH DEPT**

**Ans:**

**SELECT COUNT(\*), MAX(SAL), DEPTNO**

**FROM EMP**

**GROUP BY DEPTNO;**

1. **WAQTO NUMBER OF TIMES THE SALARIES ARE PRESENT IN EMPLOYEE TABLE**

**Ans:**

**SELECT COUNT(\*), SAL**

**FROM EMP**

**GROUP BY SAL;**

1. **WAQTD NUMBER OF EMPLOYEEES WORKING IN EACH DEPARTMENT HAVING ATLEAST 2 EMP'S IN EACH DEPT**

**Ans:**

**SELECT COUNT(\*), DEPTNO**

**FROM EMP**

**GROUP BY DEPTNO**

**HAVING COUNT(\*)>2;**

**HAVING CLAUSE**

1. **WAQTD DNO AND NUMBER OF CLERKS WORKING IN EACH DEPT IF THERE ARE ATLEAST 2 CLERKS IN EACH DEPT**

**Ans:**

**SELECT COUNT(\*), DEPTNO**

**FROM EMP**

**WHERE JOB IN 'CLERK'**

**GROUP BY DEPTNO**

**HAVING COUNT(\*)>=2;**

1. **WAQTD DNO AND TOTAL SALARY NEEDED TO PAY ALL EMP IN EACH DEPT IF THERE ARE ATLEAST 4 EMP IN EACH DEPT**

**Ans:**

**SELECT COUNT(\*), SUM(SAL), DEPTNO**

**FROM EMP**

**GROUP BY DEPTNO**

**HAVING COUNT(\*)>=4;**

1. **WAQTD NUMBER OF EMP EARNING SAL MORE THAN 1200 IN EACH JOB AND THE TOTAL SAL NEEDED TO PAY EMP OF EACH JOB MUST EXCEED 3800**

**Ans:**

**SELECT COUNT(\*),SUM(SAL), JOB**

**FROM EMP**

**WHERE SAL>1200**

**GROUP BY JOB**

**HAVING SUM(SAL)>3800;**

1. **WAQTD DEPTNO AND NUMBER OF EMP WORKING ONLY IF THERE ARE 2 EMP WORKING IN EACH DEPT AS MANAGER**

**Ans:**

**SELECT COUNT(\*), DEPTNO**

**FROM EMP**

**WHERE JOB IN 'MANAGER'**

**GROUP BY DEPTNO**

**HAVING COUNT(\*)>2;**

1. **WAQTD JOB AND MAX SAL OF EMP IN EACH JOB IF THE MAX SAL EXCEEDS 2600**

**Ans:**

**SELECT MAX(SAL), JOB**

**FROM EMP**

**GROUP BY JOB**

**HAVING MAX(SAL)>2600;**

1. **WAQTD THE SALARIES WHICH ARE REPEATED IN EMP TABLE**

**Ans:**

**SELECT COUNT(\*), SAL**

**FROM EMP**

**GROUP BY SAL**

**HAVING COUNT(\*)>1;**

1. **WAQTD THE HIREDATE WHICH ARE DUPLICATED IN EMP TABLE**

**Ans:**

**SELECT COUNT(\*), HIREDATE**

**FROM EMP**

**GROUP BY HIREDATE**

**HAVING COUNT(\*)>1;**

1. **WAQTD AVG SALARY OF EACH DEPT IF AVG SAL IS LESS THAN 3000**

**Ans:**

**SELECT AVG(SAL), DEPTNO**

**FROM EMP**

**GROUP BY DEPTNO**

**HAVING AVG(SAL)<3000;**

1. **WAQTD DEPTNO IF THERE ARE ATLEAST 3 EMP IN EACH DEPT WHOS NAME HAS CHAR 'A' OR 'S'**

**ANS: SELECT COUNT(\*), DEPTNO**

**FROM EMP**

**WHERE ENAME LIKE '%A%' OR ENAME LIKE '%s%'**

**GROUP BY DEPTNO**

**HAVING COUNT(\*)>=3**

1. **WAQTD MIN AND MAX SALARIES OF EACH JOB IF MIN SAL IS MORE THAN 1000 AND MAX SAL IS LESS THAN 5000**

**Ans:**

**SELECT MIN(SAL), MAX(SAL), JOB**

**FROM EMP GROUP BY JOB**

**HAVING MIN(SAL)>1000 AND MAX(SAL)<5000;**