-- Day-5
-- QUESTIONS ON GROUP BY

#SYNTAX:
#AGG_FUNCTION--> SUM,AVG,COUNT,MIN,MAX
SELECT GROUP_BY_COLUMN_NAME , AGG_FUN_WITH_ANY_COL FROM TABLE_NAME
-- GROUP BY COL_NAME

-- 1. WAQTD NUMBER OF EMPLOYEES WORKING IN EACH DEPARTEMENT
```
-- SELECT DEPTNO,COUNT(DEPTNO)
-- FROM EMP
-- GROUP BY DEPTNO;
```

-- 2. WAQTD NUMBER OF EMPLOYEES WORKING IN EACH DEPARTEMENT EXCEPT PRESIDENT.
```
-- SELECT DEPTNO,COUNT(DEPTNO)
-- FROM EMP
-- WHERE JOB !='PRESIDENT'
-- GROUP BY DEPTNO;
```

-- 3. WAQTD TOTAL SALARY NEEDED TO PAY ALL THE EMPLOYEES IN EACH JOB.

```
-- SELECT JOB ,SUM(SAL) AS TOTAL_SAL
-- FROM EMP
-- GROUP BY JOB;
```

-- 4. WAQTD NUMBER OF EMPLOYEEES WORKING AS MANAGER IN EACH DEPARTMENT.

```
-- SELECT DEPTNO,COUNT(DEPTNO)
-- FROM EMP
-- WHERE JOB='MANAGER'
-- GROUP BY DEPTNO;
```

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

```
-- SELECT DEPTNO,AVG(SAL)
```

```
-- FROM EMP
-- WHERE DEPTNO!=20
-- group by DEPTNO;



-- 6. WAQTD NUMBER OF EMPLOYEES AND AVG SALARY NEEDED TO PAY THE
-- EMPLOYEES WHO SALARY IS GREATER THAN 2000 IN EACH DEPT.

-- SELECT DEPTNO , COUNT(DEPTNO),AVG(SAL) AS AVG_SAL
-- FROM EMP
-- WHERE SAL>2000
-- GROUP BY DEPTNO;


-- 7.WAQDTD TOTAL SALARY NEEDED TO PAY AND NUMBER OF SALESMANS IN EACH DEPT.

-- SELECT DEPTNO,SUM(SAL),COUNT(DEPTNO)
-- FROM EMP
-- WHERE JOB='SALESMAN'
-- GROUP BY DEPTNO;


-- 8. WAQTD NUMBER OF EMPLOYEES WITH THEIR MAXIMUM SALARIES IN EACH JOB.
-- SELECT JOB, COUNT(JOB),MAX(SAL)
-- FROM EMP
-- GROUP BY JOB;



-- 9.WAQTD MAXIMUM SALARIES GIVEN TO AN EMPLOYEE WORKING IN EACH DEPT.
-- SELECT DEPTNO,MAX(SAL)
-- FROM EMP
-- GROUP BY DEPTNO;


-- 10. WAQTD NUMBER OF TIMES THE SALARIES PRESENT IN EMPLOYEE TABLE.

-- SELECT SAL ,COUNT(SAL)
-- FROM EMP
-- GROUP BY SAL;



-- 11.WAQTD NUMBER OF EMPLOYEES HIREDATE ON THE SAME DAY IN THE SAME DEPARTMENT

-- SELECT HIREDATE,DEPTNO, COUNT(*)
-- FROM EMP
-- GROUP BY HIREDATE,DEPTNO;
```

```sql
-- 12.WAQTD NUMBER OF EMPLOYEES GETTING THE SAME SALARY IN THE SAME DEPARTMENT

-- SELECT COUNT(*)
-- FROM EMP
-- GROUP BY SAL,DEPTNO;


-- 13.WAQTD NUMBER OF EMPLOYEES HAVING THE SAME NAME IN THE SAME DEPARTMENT

-- SELECT COUNT(*)
-- FROM EMP
-- GROUP BY ENAME , DEPTNO;


-- 14.WAQTD NUMBER OF EMPLOYEES GETTING THE SAME SALARY IN THE SAME DEPARTMENT AND
--  HAVING THE SAME NAME

-- SELECT COUNT(*)
-- FROM EMP
-- GROUP BY SAL,DEPTNO,ENAME;


-- 15.WAQTD NUMBER OF EMPLOYEES GETTING THE SAME SALARY IN THE SAME DEPARTMENT AND
-- HIRED ON THE SAME DAY

-- SELECT COUNT(*)
-- FROM EMP
-- GROUP BY SAL,DEPTNO,HIREDATE;
```