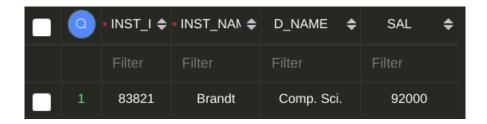
Assignment – 5 DBMS LAB(CSP362)

-Deepansh Lodhi(2018ucs0083)

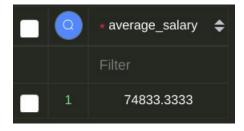
1. Show instructor with 2nd max sal in instructor relation.

SELECT MAX(sal) INTO @maxsal FROM INSTRUCTOR; SELECT MAX((SAL)) INTO @secondmax FROM INSTRUCTOR WHERE SAL<@maxsal; SELECT * FROM INSTRUCTOR WHERE sal=@secondmax;



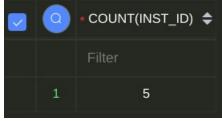
2. Show avg sal of instructors.

SELECT AVG((SAL)) as average_salary FROM INSTRUCTOR;



3. Show how many instructors having sal less than avg sal.

SELECT COUNT(INST_ID)
from INSTRUCTOR
WHERE SAL<(SELECT AVG(SAL) as average_salary
FROM INSTRUCTOR);



4. Show how many student belongs to comp. Science dept.

SELECT COUNT((S_ID))
FROM student
WHERE D_NAME="Comp. Sci.";



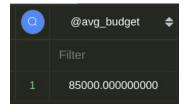
5. Show how many distinct dept are there in student rel.

SELECT COUNT(DISTINCT D_NAME) FROM student;

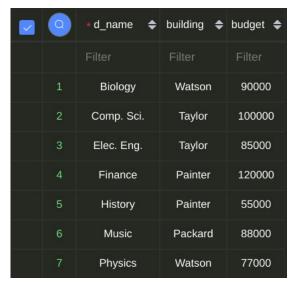


6.Increase budget by 10% which is having budget less then avg budget.

SELECT AVG((budget)) into @avg_budget FROM department; SELECT @avg_budget;

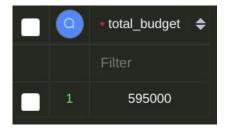


UPDATE department set budget=budget+budget*0.1 WHERE budget<@avg_budget;



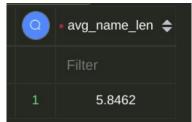
7.FIND TOTAL BUDGET OF EACH DEPARTMENT.

SELECT SUM(budget) as total_budget FROM department;



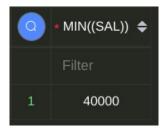
8.FIND AVG STRING LENGTH OF STUDENT NAME.

SELECT avg(length(S_NAME)) as avg_name_len FROM student;



9.SHOW MIN SAL IN INSTRUCTOR RELATION.

SELECT MIN((SAL))
FROM INSTRUCTOR;



10.SHOW 3RD MIN SAL IN INSTRUCTOR RELATION.

SELECT SAL as thirdmin FROM INSTRUCTOR ORDER BY SAL ASC LIMIT 2,1;

