

CSCI 330 Midterm Corrections

Isaac Boaz

November 22, 2023

Question 7

I originally GROUPED BY only the Company.company_id without realizing that created ambiguity between what company_name to use per group. The corrected query would be:

```
SELECT company_name , SUM( salary )  
FROM Company JOIN Works  
ON Works.company_id = Company.company_id  
GROUP BY Company.company_id , Company.company_name  
ORDER BY SUM( Works.salary ) ASC LIMIT 1;
```

Question 8

I think I did not realize that the question asked for *managers* to get a 10-percent raise. The corrected query would be:

```
UPDATE Works SET salary = salary * 1.10  
WHERE employee_id IN (  
    SELECT Works.employee_id  
    FROM Works  
    JOIN Company ON Company.company_id = Works.company_id  
    JOIN Manages ON Works.employee_id = Manages.manager_id  
    WHERE Company.company_name = "First_Bank_Corporation"  
);
```

Problem 10

I misunderstood the question, which was asking for the second-degree users and how many followers they have, rather than how many people they follow. The corrected query would be:

```
SELECT F1.follower , COUNT(DISTINCT F2.follower) AS num  
FROM Follow F1  
JOIN Follow F2 ON F1.follower = F2.followee  
WHERE F1.follower IN (  
    SELECT followee FROM Follow  
)  
GROUP BY F1.follower  
ORDER BY F1.follower;
```