Metro State University ICS-311-50 Summer 2023 Class Assignment 3

employee (employee name, street, city) works (employee name, company name, salary) company (company name, city) manages (employee name, manager name)

For the database above, write a query to find those employees with no manager. Note that an employee may simply have no manager listed or may have a null manager. Write your query using an outer join and then write it again using no outer join at all. 5 points

Select e.employee_name
From employee e
Left join manages m
On e.employee name = m.employee_name
Where m.manager_name is NULL;

SELECT e.employee_name
FROM employee e
WHERE e.employee_name NOT IN (SELECT m.employee_name FROM manages m WHERE m.manager_name IS NOT NULL);

2) Show how to define a view tot_credits (year, num credits), giving the total number of credits taken by students in each year. 5points

CREATE VIEW [tot_credits] AS Select year, sum(num_credits) FROM students Group by year;