CS443 - Lab6

1) Use query tree to optimize the following query. Use the tables that was provided in previous Assignment

SELECT Order_Num, Amount, Company, Name, City
FROM Orders, Customers, Salesreps, Offices
WHERE Cust = Cust_Num
AND Cust_Rep = Empl_Num
AND Rep_Office = Office
AND Amount > 20000

2) Use query tree to optimize the following query. Use the tables that was provided in previous assignment

SELECT cust_num, cust_rep, name, rep_office, city
FROM Customers, Salesreps, Offices
WHERE empl_num = cust_rep, and rep_office = office
AND credit_limit >= 7000
And region = "western"
And office in (12, 13)

3) Use query tree to optimize the following query. Use the tables that was provided in previous assignment

SELECT Order_Num, Name, City
FROM Orders, Customers, Salesreps, Offices
WHERE Cust = Cust_Num
AND Cust_Rep = Empl_Num
AND Rep_Office = Office
AND Amount > 10500
AND region = "Eastern"

4) Use query tree to optimize the following query. Use the tables that was provided in previous assignment

Select order_num, Company, Name, City, Region
from orders, Products, Customers, Salesreps, Offices
where order_date > "Jan-20-2023" and
    City in ("New York", 'Los Angles') and
    Name like ('P%') and
    office.Sales > $340,000 and
    Company like 'S%' and
    product=product_ID and mfr = mfr_id and
    cust = cust-num and
    cust_rep = empl-num and
    rep_office = office);