**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 > 10000

Diagram

Description automatically generated

1. 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 >= 5000

And region = “western”

And office in (11, 12)

Diagram

Description automatically generated

1. 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 > 10000

AND region = “Western”

Diagram

Description automatically generated

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

SELECT order\_num, mfr, product, rep, price

From orders, products

Where price > 100

And Qty-On-hand > 3

And mfr = mfr\_id

And product = product\_id

Diagram

Description automatically generated