Create the following tables:

Orders(Order\_no, cust, product, Quantity, amount, Disc)

Customers(Cust\_No, Company, Cust\_Rep, Credit\_Limit)

Sales\_Representative (Rep\_no,Name, Re\_office,Quota, sales)

Note: Orders (cust –foreign key for cust\_no from Customer )

Customers(Cust\_Rep foreign key for Rep\_no from Sales\_Representative )

Write a query for following:

1. List for each customer : customer name, credit limit, rep name serving the customer and rep sales.

2. List all orders showing number and amount, and name and credit limit of customer.

3. Find the product wise sale amount of products which exceeds $12000.

4. Find the names of amount, names of customers and names of representatives who have been involved

in the sale of software.

5. Find the credit limit of company and the discount it has received

6. Find the sales representatives who work in the same office.

ANS

1

-- Create the Sales\_Representative table

CREATE TABLE Sales\_Representative (

Rep\_no INT PRIMARY KEY,

Name VARCHAR(50),

Re\_office VARCHAR(50),

Quota DECIMAL(10, 2),

sales DECIMAL(10, 2)

);

-- Create the Customers table

CREATE TABLE Customers (

Cust\_No INT PRIMARY KEY,

Company VARCHAR(100),

Cust\_Rep INT,

Credit\_Limit DECIMAL(10, 2),

FOREIGN KEY (Cust\_Rep) REFERENCES Sales\_Representative(Rep\_no)

);

-- Create the Orders table

CREATE TABLE Orders (

Order\_no INT PRIMARY KEY,

cust INT,

product VARCHAR(50),

Quantity INT,

amount DECIMAL(10, 2),

Disc DECIMAL(10, 2),

FOREIGN KEY (cust) REFERENCES Customers(Cust\_No)

);

SELECT c.Company AS Customer\_Name,

c.Credit\_Limit,

s.Name AS Rep\_Name,

s.sales AS Rep\_Sales

FROM Customers c

JOIN Sales\_Representative s

ON c.Cust\_Rep = s.Rep\_no;

3

SELECT o.Order\_no,

o.amount,

c.Company AS Customer\_Name,

c.Credit\_Limit

FROM Orders o

JOIN Customers c

ON o.cust = c.Cust\_No;

4

SELECT o.product,

SUM(o.amount) AS Total\_Sales\_Amount

FROM Orders o

GROUP BY o.product

HAVING SUM(o.amount) > 12000;

5

SELECT o.amount,

c.Company AS Customer\_Name,

s.Name AS Rep\_Name

FROM Orders o

JOIN Customers c ON o.cust = c.Cust\_No

JOIN Sales\_Representative s ON c.Cust\_Rep = s.Rep\_no

WHERE o.product = 'Software';

SELECT c.Company AS Customer\_Name,

c.Credit\_Limit,

SUM(o.Disc) AS Total\_Discount

FROM Orders o

JOIN Customers c ON o.cust = c.Cust\_No

GROUP BY c.Company, c.Credit\_Limit;

7

SELECT s1.Name AS Rep1\_Name,

s2.Name AS Rep2\_Name,

s1.Re\_office

FROM Sales\_Representative s1

JOIN Sales\_Representative s2

ON s1.Re\_office = s2.Re\_office

WHERE s1.Rep\_no <> s2.Rep\_no;