CREATE TABLE Sales\_Representative (

Rep\_no INT PRIMARY KEY,

Name VARCHAR(255),

Re\_office VARCHAR(255),

Quota DECIMAL(10, 2),

sales DECIMAL(10, 2)

);

CREATE TABLE Customers (

Cust\_No INT PRIMARY KEY,

Company VARCHAR(255),

Cust\_Rep INT,

Credit\_Limit DECIMAL(10, 2),

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

);

CREATE TABLE Orders (

Order\_no INT PRIMARY KEY,

cust INT,

product VARCHAR(255),

Quantity INT,

amount DECIMAL(10, 2),

Disc DECIMAL(10, 2),

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

);

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

(1, 'Nishant', 'Mumbai', 100000, 90000),

(2, 'Siddhant', 'Hyderabad', 120000, 110000),

(3, 'Kiran', 'Mumbai', 110000, 95000),

(4, 'Atharva', 'Bengaluru', 95000, 92000),

(5, 'Nikhil', 'Hyderabad', 130000, 120000);

INSERT INTO Customers (Cust\_No, Company, Cust\_Rep, Credit\_Limit) VALUES

(1, 'TCS', 1, 50000),

(2, 'Infosys', 2, 70000),

(3, 'Wipro', 3, 60000),

(4, 'Microsoft', 4, 80000),

(5, 'Amazon', 5, 90000);

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

(1, 1, 'Software', 100, 30000, 500),

(2, 2, 'Hardware', 50, 20000, 300),

(3, 3, 'Software', 200, 40000, 600),

(4, 4, 'Consulting', 150, 50000, 700),

(5, 5, 'Cloud Services', 100, 45000, 800),

(6, 1, 'Hardware', 75, 25000, 400),

(7, 2, 'Software', 120, 28000, 500);

SELECT

c.Company AS Customer\_Name,

sr.Name AS Rep\_Name,

sr.Re\_office AS Rep\_Office\_Number

FROM

Customers c

JOIN

Sales\_Representative sr ON c.Cust\_Rep = sr.Rep\_no;

select

o.Order\_no ,

o.amount,

sr.Name,

c.Company as Customer\_Name

from

Orders o

join Customers c on o.cust = c.Cust\_no

join Sales\_Representative sr on c.Cust\_Rep = sr.Rep\_no

where o.amount > 25000;

select product from Orders join Customers on cust = Cust\_no where Company = 'TCS';

SELECT

c.Company,

MAX(o.Disc) AS Max\_Discount

FROM

Orders o

JOIN

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

GROUP BY

c.Company

ORDER BY

Max\_Discount DESC;

SELECT

sr1.Name AS Rep1\_Name,

sr2.Name AS Rep2\_Name,

sr1.Re\_office

FROM

Sales\_Representative sr1

JOIN

Sales\_Representative sr2

ON

sr1.Re\_office = sr2.Re\_office

WHERE

sr1.Rep\_no < sr2.Rep\_no;

SELECT c.Company, 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;

SELECT

c.Company AS Customer\_Name,

c.Credit\_Limit,

sr.Name AS Rep\_Name,

sr.sales AS Rep\_Sales

FROM

Customers c

JOIN

Sales\_Representative sr ON c.Cust\_Rep = sr.Rep\_no;

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;

SELECT

o.product,

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

FROM

Orders o

GROUP BY

o.product

HAVING

Total\_Sale\_Amount > 12000;

SELECT

o.amount,

c.Company AS Customer\_Name,

sr.Name AS Rep\_Name

FROM

Orders o

JOIN

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

JOIN

Sales\_Representative sr ON c.Cust\_Rep = sr.Rep\_no

WHERE

o.product = 'Software';

SELECT

c.Company,

MAX(c.Credit\_Limit) AS Credit\_Limit,

SUM(o.Disc) AS Total\_Discount

FROM

Orders o

JOIN

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

GROUP BY

c.Company;