##### Assignment – 1 : Assignment MySQL

CREATE TABLE SalesPeople (

Snum int,

Sname varchar(255),

City varchar(255),

Comm FLOAT(0,2),

UNIQUE (Sname)

);

INSERT INTO SalesPeople VALUES

(1001,'Peel','London', .12),

(1002,'Serres','Sanjose', .13),

(1004,'Motika','London', .11).

(1007,'Rifkin','Barcelona', .15),

(1003,'Axelrod','Newyork', .10)

;

CREATE TABLE Customers (

Cnum int,

Cname varchar(255),

City varchar(255) NOT NULL,

Snum int,

PRIMARY KEY (Cnum)

FOREIGN KEY (Snum) REFERENCES SalesPeople(Snum)

);

INSERT INTO Customers VALUES

(2001, 'Hoffman', 'London', 1001),

(2002, 'Giovanni', 'Rome', 1003),

(2003, 'Liu', 'Sanjose', 1002),

(2004, 'Grass', 'Berlin', 1002),

(2006, 'Clemens', 'London', 1001),

(2008, 'Cisneros', 'Sanjose', 1007),

(2007, 'Pereira', 'Rome', 1004)

;

CREATE TABLE Orders (

Onum int,

Amt FLOAT(4,2),

Odate varchar(255),

Cnum int,

Snum int,

PRIMARY KEY (Onum)

FOREIGN KEY (Cnum) REFERENCES Customers(Cnum)

FOREIGN KEY (Snum) REFERENCES SalesPeople(Snum)

);

INSERT INTO Orders VALUES

(3001, 18.69, 03-10-1990, 2008, 1007),

(3003, 767.19, 03-10-1990, 2001, 1001),

(3002, 1900.10, 03-10-1990, 2007, 1004),

(3005, 5160.45, 03-10-1990, 2003, 1002),

(3006, 1098.16, 03-10-1990, 2008, 1007),

(3009, 1713.23, 04-10-1990, 2002, 1003),

(3007, 75.75, 04-10-1990, 2004, 1002),

(3008, 4273.00, 05-10-1990, 2006, 1001),

(3010, 1309.95, 06-10-1990, 2004, 1002),

(3011, 9891.88, 06-10-1990, 2006, 1001)

;

**Task-1: Count the number of Salesperson whose name begin with ‘a’/’A’.**

SELECT COUNT(Sname)

FROM SalesPeople

WHERE Sname LIKE 'A%' OR 'a%';

**Task-2: Display all the Salesperson whose all orders worth is more than Rs. 2000.**

SELECT SalesPeople.Sname, Orders.Amt

FROM Orders

INNER JOIN SalesPeople ON Orders.Snum=SalesPeople.Snum

WHERE Amt>2000;

**Task-3: Count the number of Salesperson belonging to Newyork.**

SELECT COUNT(Sname)

FROM SalesPeople

WHERE city = 'Newyork';

**Task-4: Display the number of Salespeople belonging to London and belonging to Paris.**

SELECT \* FROM SalesPeople

WHERE city = 'London' OR 'Paris';

**Task-5: Display the number of orders taken by each Salesperson and their date of orders.**

SELECT Sname,Odate, COUNT(Orders.Snum) AS TotalOrderQuantity

FROM SalesPeople join Orders on (Orders.Snum = SalesPeople.Snum)

group by Orders.Snum;