Table 1:

create table SalesPeople1(

snum int primary key,

sname varchar(50) unique,

city varchar(25),

comm decimal(4, 2)

);

insert into SalesPeople1 values(1001,"Peel","London",0.12);

insert into SalesPeople1 values(1002,"Serres","Sanjose",0.13);

insert into SalesPeople1 values(1004,"Motika","London",0.11);

insert into SalesPeople1 values(1007,"Rifkin","Barcelona",0.15);

insert into SalesPeople1 values(1003,"Axelrod","New York",0.10);

desc SalesPeople1;

Table 2:

create table Customers(

Cnum int primary key,

Cname varchar(50),

City varchar(50) not null,

snum int,

foreign key (snum) references SalesPeople1(snum)

);

insert into Customers values(2001, 'Hoffman', 'London', 1001);

insert into Customers values(2002, 'Giovanni', 'Rome', 1003);

insert into Customers values(2003, 'Liu', 'San Jose', 1002);

insert into Customers values(12004, 'Grass', 'Berlin', 1002);

insert into Customers values(12006, 'Clemens', 'London', 1001);

insert into Customers values(2008, 'Cisneros', 'San Jose', 1007);

insert into Customers values(2007, 'Pereira', 'Rome', 1004);

Table 3:

create table Orders(

Onum int primary key,

Amt decimal(7, 2),

Odate date,

Cnum int,

snum int,

foreign key (Cnum) references Customers(Cnum),

foreign key (snum) references SalesPeople1(snum)

);

select Cnum from Customers;

insert into Orders values(3001, 18.69, '1990-10-03', 2008, 1007);

insert into Orders values(3003, 767.19, '1990-10-03', 2001, 1001);

insert into Orders values (3002, 1900.10, '1990-10-03', 2007, 1004);

insert into Orders values(3005, 5160.45, '1990-10-03', 2003, 1002);

insert into Orders values(3006, 1098.16, '1990-10-03', 2008, 1007);

insert into Orders values (3009, 1713.23, '1990-10-04', 2002, 1003);

insert into Orders values(3007, 75.75, '1990-10-04', 2004, 1002);

insert into Orders values(3008, 4273.00, '1990-10-05', 2006, 1001);

insert into Orders values(3010, 1309.95, '1990-10-06', 2004, 1002);

insert into Orders values(3011, 9891.88, '1990-10-06', 2006, 1001);

select \* from Orders;

-- count the number of salesperson whose names begins with "a"/"A"

select count(\*) as countsofsalespeople

from SalesPeople1

where sname like 'A%';

select sp.snum, sp.sname

from SalesPeople1 sp

inner join Orders o ON sp.snum = o.snum

group by sp.snum, sp.sname

having SUM(o.Amt) > 2000;

show tables;

use class2;

-- Count the number of Salesperson belonging to Newyork.

select count(\*) as countsofsalespeople

from SalesPeople1

where city = 'New York';

-- Display the number of Salespeople belonging to London and belonging to Paris.

select city, count(\*) AS countofsalespeople

from SalesPeople1

where city in ('London', 'Paris')

group by city;

select sp.snum, sp.sname, o.Odate, count(\*) AS OrderCount

from SalesPeople1 sp

inner join Orders o ON sp.snum = o.snum

group by sp.snum, sp.sname, o.Odate;