Salespeople(snum,sname,city,comm)

Customer(Cnum,Cname,city,Rating,snum)

Orders(onum,Amount,Odate,cnum,snum)

**Select customers.cname,salesperson.sname from customers,salesperson where customers.city=salesperson.city;**

1) Find names of all customers matched with salespeople serving them

**Select customers.cname,salesperson.sname from customers,salesperson where customers.snum=salesperson.snum ;**

**Select customers.cname natural join salesperson.sname on customers.city=salesperson.city group by comm. Having rating …**

**Join based on inequality**

2) Produce all combinations of salesperson and customers such that the former **precedes** the latter alphabetically and the latter has a rating>200

**Select sname,cname from customers,salesperson where sname<cname and rating>200;**

**Join more than 2 tables**

3) Find customers not located in the same cities as their salesperson

**Select onum,cunum,orders.cnum,orders.snum from salesperson,customers,orders where customers.city<>salesperson.city and orders.snum=salesperson.snum and orders.cnum=customers.cnum;**

4) Write a query that produces all customers **serviced by** salesperson with a commission above 12%

**Select cname,sname,comm. From salesperson,customers where salesperson.snum=customers.snum and comm>.12;**

5) Calculate the amount of salesperson’s commission on each order by a customer where rating is above 10.

**Select onum,comm\*amt from salesperson,orders,customer where rating>10 and orders.snum=salesperson.snum and orders.cnum=customers.cnum;**

**Self Join:**

**Perform Alias (RENAME)**

|  |  |  |  |
| --- | --- | --- | --- |
| **EMPNO** | **FNAME** | **LNAME** | **MGRNO** |
| EI | IVAN | BAYROSS |  |
| E2 | AMIT | DESAI |  |
| E3 | MAYA | joshi |  |
| E4 | peter | joseph | E2 |
| E5 | MADHAV | DALVI |  |
| E6 | SONAL | MEHTA | E1 |
| E7 | ANIL | KAMBLE | E5 |
| E8 | SEEMA | BASU | E3 |
| E9 | VIKRAM | GHOSH | E7 |
| E10 | ANJALI | JOSHI | E1 |

6) Retrieve names of employees & their respective managers

**Select emp.fname “Employee”,mgr.fname “Manager” from emp e, emp mgr where e.mgrno=mgr.eno;**

|  |  |
| --- | --- |
| **Employee** | **Manager** |
| SONAL | IVAN |
| PETER | AMIT |
| SEEMA | MAYA |
| ANIL | MADHAV |
| ANJALI | IVAN |
| VIKRAM | ANIL |