Experiment 6A

**Create Tables** :

SQL> create table salesman(salesman\_id number(4), name varchar2(50), city varchar2(30), commission float, primary key(salesman\_id));

Table created.

SQL> create table customer(customer\_id number(4), cust\_name varchar2(50), city varchar2(30), grade number(4), salesman\_id number(4), primary key(customer\_id), foreign key(salesman\_id) references salesman(salesman\_id));

Table created.

SQL> create table orders(ord\_no number(5), purch\_amt float, ord\_date varchar2(15), customer\_id number(4), salesman\_id number(4), primary key(ord\_no), foreign key(customer\_id) references customer(customer\_id), foreign key(salesman\_id) references salesman(salesman\_id));

Table created.

**Insert Values:**

SQL> insert into salesman values(5001,'James Hong', 'New York', 0.15);

1 row created.

SQL> insert into salesman values(5002,'Nail Knite', 'Paris', 0.13);

1 row created.

SQL> insert into salesman values(5005,'Pit Alex', 'London', 0.11);

1 row created.

SQL> insert into salesman values(5006,'Mc Lyon', 'Paris', 0.14);

1 row created.

SQL> insert into salesman values(5003,'Lauson Hen', Null, 0.12);

1 row created.

SQL> insert into salesman values(5007,'Paul Adams', 'Rome', 0.13);

1 row created.

SQL> select \* from salesman;

SALESMAN\_ID NAME

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CITY COMMISSION

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5001 James Hong

New York .15

5002 Nail Knite

Paris .13

5005 Pit Alex

London .11

SALESMAN\_ID NAME

----------- --------------------------------------------------

CITY COMMISSION

------------------------------ ----------

5006 Mc Lyon

Paris .14

5003 Lauson Hen

.12

5007 Paul Adams

Rome .13

SQL> insert into customer values(3002, 'Nick Rimando', 'New York', 100,5001);

1 row created.

SQL> insert into customer values(3005, 'Graham Zusi', 'California', 200,5002);

1 row created.

SQL> insert into customer values(3001, 'Brad Guzan', 'London',Null,5005);

1 row created.

SQL> insert into customer values(3004, 'Fabian Johns', 'Paris',300,5006);

1 row created.

SQL> insert into customer values(3007, 'Brad Davis', 'New York',200,5001);

1 row created.

SQL> insert into customer values(3009, 'Geoff Camero', 'Berlin',100,5003);

1 row created.

SQL> insert into customer values(3008, 'Julian Green', 'London',300,5002);

1 row created.

SQL> insert into customer values(3003, 'Namesake', 'Germany',200,5007);

1 row created.

SQL> select \* from customer;

CUSTOMER\_ID CUST\_NAME

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CITY GRADE SALESMAN\_ID

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3002 Nick Rimando

New York 100 5001

3005 Graham Zusi

California 200 5002

3001 Brad Guzan

London 5005

CUSTOMER\_ID CUST\_NAME

----------- --------------------------------------------------

CITY GRADE SALESMAN\_ID

------------------------------ ---------- -----------

3004 Fabian Johns

Paris 300 5006

3007 Brad Davis

New York 200 5001

3009 Geoff Camero

Berlin 100 5003

CUSTOMER\_ID CUST\_NAME

----------- --------------------------------------------------

CITY GRADE SALESMAN\_ID

------------------------------ ---------- -----------

3008 Julian Green

London 300 5002

3003 Namesake

Germany 200 5007

8 rows selected.

SQL> insert into orders values(70001, 150.5,'2012-10-05',3005,5002);

1 row created.

SQL> insert into orders values(70009, 270.65,'2012-09-10',3001,5005);

1 row created.

SQL> insert into orders values(70002, 65.26,'2012-10-05',3002,5001);

1 row created.

SQL> insert into orders values(70004, 110.5,'2012-08-17',3009,5003);

1 row created.

SQL> insert into orders values(70007, 948.5,'2012-09-10',3005,5002);

SQL> insert into orders values(70005, 2400.6,'2012-07-27',3007 ,5001);

1 row created.

SQL> insert into orders values(70008,5760,'2012-09-10',3002,5001);

1 row created.

SQL> insert into orders values(70010,1983.43,'2012-10-10',3004,5006);

1 row created.

SQL> insert into orders values(70003,2480.4 ,'2012-10-10',3009,5003);

1 row created.

SQL> insert into orders values(70012,250.45,'2012-06-27',3008,5002);

1 row created.

SQL> insert into orders values(70011,75.29,'2012-08-17',3003,5007);

1 row created.

SQL> insert into orders values(70013,3045.6,'2012-04-25' ,3002,5001);

1 row created.

SQL> select \* from orders;

ORD\_NO PURCH\_AMT ORD\_DATE CUSTOMER\_ID SALESMAN\_ID

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70001 150.5 2012-10-05 3005 5002

70009 270.65 2012-09-10 3001 5005

70002 65.26 2012-10-05 3002 5001

70004 110.5 2012-08-17 3009 5003

70007 948.5 2012-09-10 3005 5002

70005 2400.6 2012-07-27 3007 5001

70008 5760 2012-09-10 3002 5001

70010 1983.43 2012-10-10 3004 5006

70003 2480.4 2012-10-10 3009 5003

70012 250.45 2012-06-27 3008 5002

70011 75.29 2012-08-17 3003 5007

ORD\_NO PURCH\_AMT ORD\_DATE CUSTOMER\_ID SALESMAN\_ID

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70013 3045.6 2012-04-25 3002 5001

12 rows selected.

**1. Write a SQL statement to prepare a list with salesman name, customer name and their cities for the salesmen and customer who belongs to the same city**

NAME

--------------------------------------------------

CUST\_NAME

--------------------------------------------------

CITY CITY

------------------------------ ------------------------------

James Hong

Nick Rimando

New York New York

Pit Alex

Brad Guzan

London London

NAME

--------------------------------------------------

CUST\_NAME

--------------------------------------------------

CITY CITY

------------------------------ ------------------------------

Mc Lyon

Fabian Johns

Paris Paris

James Hong

Brad Davis

NAME

--------------------------------------------------

CUST\_NAME

--------------------------------------------------

CITY CITY

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New York New York

**2. Write a SQL statement to make a list with order no, purchase amount, customer name and their cities for those orders which order amount between 500 and 2000**

SQL> select o.ord\_no,o.purch\_amt,c.cust\_name,c.city from orders o inner join customer c on c.customer\_id=o.customer\_id where o.purch\_amt between 500 and 2000;

ORD\_NO PURCH\_AMT CUST\_NAME

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CITY

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70007 948.5 Graham Zusi

California

70010 1983.43 Fabian Johns

Paris

**3 . Write a SQL statement to know which salesman are working for which customer.**

SQL> select c.cust\_name,s.name from customer c inner join salesman s on c.salesman\_id=s.salesman\_id;

CUST\_NAME

--------------------------------------------------

NAME

--------------------------------------------------

Nick Rimando

James Hong

Graham Zusi

Nail Knite

Brad Guzan

Pit Alex

CUST\_NAME

--------------------------------------------------

NAME

--------------------------------------------------

Fabian Johns

Mc Lyon

Brad Davis

James Hong

Geoff Camero

Lauson Hen

CUST\_NAME

--------------------------------------------------

NAME

--------------------------------------------------

Julian Green

Nail Knite

Namesake

Paul Adams

8 rows selected.

**4. Write a SQL statement to find the list of customers who appointed a salesman for their jobs who gets a commission from the company is more than 12%.**

SQL> select c.\* from customer c inner join salesman s on c.salesman\_id=s.salesman\_id where s.commission>0.12;

CUSTOMER\_ID CUST\_NAME

----------- --------------------------------------------------

CITY GRADE SALESMAN\_ID

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3002 Nick Rimando

New York 100 5001

3005 Graham Zusi

California 200 5002

3004 Fabian Johns

Paris 300 5006

CUSTOMER\_ID CUST\_NAME

----------- --------------------------------------------------

CITY GRADE SALESMAN\_ID

------------------------------ ---------- -----------

3007 Brad Davis

New York 200 5001

3008 Julian Green

London 300 5002

3003 Namesake

Germany 200 5007

6 rows selected.

**5. Write a SQL statement to find the list of customers who appointed a salesman for their jobs who does not live in the same city where their customer lives, and gets a commission is above 12% .**

SQL> select \* from customer c inner join salesman s on c.salesman\_id=s.salesman\_id where s.commission>0.12 and s.city!=c.city;

CUSTOMER\_ID CUST\_NAME

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CITY GRADE SALESMAN\_ID SALESMAN\_ID

------------------------------ ---------- ----------- -----------

NAME

--------------------------------------------------

CITY COMMISSION

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3005 Graham Zusi

California 200 5002 5002

Nail Knite

Paris .13

CUSTOMER\_ID CUST\_NAME

----------- --------------------------------------------------

CITY GRADE SALESMAN\_ID SALESMAN\_ID

------------------------------ ---------- ----------- -----------

NAME

--------------------------------------------------

CITY COMMISSION

------------------------------ ----------

3008 Julian Green

London 300 5002 5002

Nail Knite

Paris .13

CUSTOMER\_ID CUST\_NAME

----------- --------------------------------------------------

CITY GRADE SALESMAN\_ID SALESMAN\_ID

------------------------------ ---------- ----------- -----------

NAME

--------------------------------------------------

CITY COMMISSION

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3003 Namesake

Germany 200 5007 5007

Paul Adams

Rome .13

6. Write a SQL statement to find the details of a order i.e. order number, order date, amount of order, which customer gives the order and which salesman works for that customer and how much commission he gets for an order.

SQL> select o.ord\_no,o.ord\_date,o.purch\_amt,c.cust\_name,s.name,s.commission from orders o inner join customer c on o.customer\_id=c.customer\_id join salesman s on o.salesman\_id=s.salesman\_id;

ORD\_NO ORD\_DATE PURCH\_AMT

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CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

70013 2012-04-25 3045.6

Nick Rimando

James Hong .15

70008 2012-09-10 5760

Nick Rimando

James Hong .15

ORD\_NO ORD\_DATE PURCH\_AMT

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CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

70002 2012-10-05 65.26

Nick Rimando

James Hong .15

70007 2012-09-10 948.5

Graham Zusi

ORD\_NO ORD\_DATE PURCH\_AMT

---------- --------------- ----------

CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

Nail Knite .13

70001 2012-10-05 150.5

Graham Zusi

Nail Knite .13

70009 2012-09-10 270.65

ORD\_NO ORD\_DATE PURCH\_AMT

---------- --------------- ----------

CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

Brad Guzan

Pit Alex .11

70010 2012-10-10 1983.43

Fabian Johns

Mc Lyon .14

ORD\_NO ORD\_DATE PURCH\_AMT

---------- --------------- ----------

CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

70005 2012-07-27 2400.6

Brad Davis

James Hong .15

70003 2012-10-10 2480.4

Geoff Camero

Lauson Hen .12

ORD\_NO ORD\_DATE PURCH\_AMT

---------- --------------- ----------

CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

70004 2012-08-17 110.5

Geoff Camero

Lauson Hen .12

70012 2012-06-27 250.45

Julian Green

ORD\_NO ORD\_DATE PURCH\_AMT

---------- --------------- ----------

CUST\_NAME

--------------------------------------------------

NAME COMMISSION

-------------------------------------------------- ----------

Nail Knite .13

70011 2012-08-17 75.29

Namesake

Paul Adams .13

12 rows selected.