Module - 4 Assessment DBMS

Customer Table:

			customer_id	customer_name	city	grade	salesman_id
☐	Edit	Copy	Delete	1 jil	ahmedabad	100	101
☐	Edit	Copy	Delete	2 Dhruvin	ahmedabad	200	102
☐	Edit	Copy	Delete	3 zainil	ahmedabad	300	103
☐	Edit	Copy	Delete	4 manglam	vadodra	400	104
☐	Edit	Copy	Delete	5 marmik	vadnagar	500	105
☐	Edit	Copy	Delete	6 daksh	gandhinagar	600	106

CREATE TABLE Customer(

customer_id int PRIMARY KEY,

customer_name varchar(80),

city varchar(90),

grade int,

salesman_id int

);

INSERT INTO customer(customer_id, customer_name, city, grade, salesman_id) VALUES (1,"jil","ahmedabad",'100','101'),

(2,"Dhruvin","ahmedabad",'200','102'),

(3,"zainil","ahmedabad",'300','103'),

(4,"manglam","vadodra",'400','104'),

(5,"marmik","vadnagar",'500','105'),

(6,"daksh","gandhinagar",'600','106');

Salesman Table:

			salesman_id	name	city	commission	salesman_fid
☐	Edit	Copy	Delete	101	peter	albany	10	1
☐	Edit	Copy	Delete	102	jack	taxas	25	2
☐	Edit	Copy	Delete	103	peterson	new york	30	3
☐	Edit	Copy	Delete	104	jacky	rajkot	15	4
☐	Edit	Copy	Delete	105	ironman	surat	20	5
☐	Edit	Copy	Delete	106	hulk	patan	50	6

CREATE TABLE Salesman(

   salesman_id int PRIMARY KEY,

   name varchar(80),

   city varchar(90),

   commission int,

   salesman_fid int,

   FOREIGN KEY (salesman_fid) REFERENCES customer(customer_id)

);

INSERT INTO salesman(salesman_id, name, city, commission, salesman_fid) VALUES ('101',"peter","albany",'10',1),

('102',"jack","taxas",'25',2),

('103',"peterson","new york",'30',3),

('104',"jacky","rajkot",'15',4),

('105',"ironman","surat",'20',5),

('106',"hulk","patan",'50',6);

From the above given tables write a SQL query to find the salesperson(s) and the customer(s) represented here. Return the Customer Name, City, Salesman, commission.

Use Joints:

1) Inner Join:

SELECT customer.customer_name,customer.city,salesman.name,salesman.commission FROM customer INNER JOIN salesman ON customer.customer_id = salesman.salesman_fid;

```
SELECT customer.customer_name,customer.city,salesman.name,salesman.commission FROM customer INNER JOIN salesman ON customer.customer_id = salesman.salesman_fid;
```

customer_name	city	name	commission
jil	ahmedabad	peter	10
Dhruvin	ahmedabad	jack	25
zainil	ahmedabad	peterson	30
manglam	vadodra	jacky	15
marmik	vadnagar	ironman	20
daksh	gandhinagar	hulk	50

2) Left Join:
SELECT customer.customer_name,customer.city,salesman.name,salesman. commission FROM customer LEFT JOIN salesman ON customer.customer_id = salesman.salesman_fid;

```
SELECT customer.customer_name,customer.city,salesman.name,salesman.commission FROM customer LEFT JOIN salesman ON customer.customer_id = salesman.salesman_fid;
```

customer_name	city	name	commission
jil	ahmedabad	peter	10
Dhruvin	ahmedabad	jack	25
zainil	ahmedabad	peterson	30
manglam	vadodra	jacky	15
marmik	vadnagar	ironman	20
daksh	gandhinagar	hulk	50

3) Right Join:

SELECT customer.customer_name,customer.city,salesman.name,salesman. commission FROM customer RIGHT JOIN salesman ON customer.customer_id = salesman.salesman_fid;

```
SELECT customer.customer_name,customer.city,salesman.name,salesman.commission FROM customer RIGHT JOIN salesman ON customer.customer_id = salesman.salesman_fid;
```

customer_name	city	name	commission
jil	ahmedabad	peter	10
Dhruvin	ahmedabad	jack	25
zainil	ahmedabad	peterson	30
manglam	vadodra	jacky	15
marmik	vadnagar	ironman	20
daksh	gandhinagar	hulk	50

4) Full Join:

SELECT * FROM customer FULL OUTER JOIN salesman ON customer.customer_id = salesman.salesman_id;