# **Module - 4 Assessment DBMS**

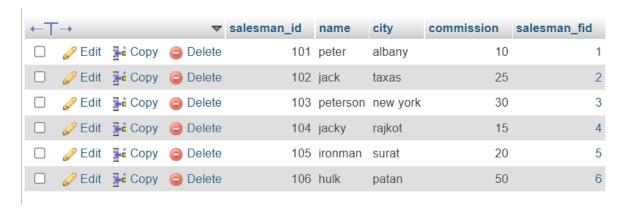
### **Customer Table:**

$\leftarrow T$	<b>→</b>		$\nabla$	customer_id	customer_name	city	grade	salesman_id
		<b>≩</b> Сору	Delete	1	jil	ahmedabad	100	101
		<b>≩</b> Copy	Delete	2	Dhruvin	ahmedabad	200	102
		<b>≩</b> сору	Delete	3	zainil	ahmedabad	300	103
	Ø Edit	<b>≩</b> Copy	Delete	4	manglam	vadodra	400	104
	<i></i> € Edit	<b>≩</b> сору	Delete	5	marmik	vadnagar	500	105
		<b>Copy</b>	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:



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

## 4) Full Join:

SELECT \* FROM customer FULL OUTER JOIN salesman ON customer.customer\_id = salesman.salesman\_id;