

Create table of salesorder with following fields:  
Order Number(Unique key begins with 0),Client  
number(FK),Order Date.

Create table clientmaster with following fields:  
clientno(PK), cname,city.

Create table salesmaster with following fields: salesmanno(PK),sname,city.  
Add 5 rows of data in 3 tables

create table clientmaster (client\_no int primary key not null, cname varchar(20), city  
varchar(26));

create table salesmaster (salesmanno int primary key,sname VARCHAR(20),city  
VARCHAR(10));

create table salesorder (order\_no varchar(20) primary key not null check (order\_no like  
"0%"),client\_no int REFERENCES clientmaster(client\_no), order\_date date);

select \* from salesmaster;

```
+-----+-----+-----+
| salesmanno | sname | city |
+-----+-----+-----+
| 1 | biju | mumbai |
| 2 | amith | mumbai |
| 3 | sreelal | kannur |
| 4 | anoop | thrissur |
| 5 | goutham | pala |
+-----+-----+-----+
```

select \* from clientmaster;

```
+-----+-----+-----+
| client_no | cname | city |
+-----+-----+-----+
| 101 | senchu | kannur |
| 102 | sobin | kannur |
| 103 | sajan | mumbai |
| 104 | siju | gujarath |
```

	105		george		kottayam	
--	-----	--	--------	--	----------	--

+	-----	+	-----	+	-----	+
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select \* from salesorder;

+	-----	+	-----	+	-----	+
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	order_no		client_no		order_date	
--	----------	--	-----------	--	------------	--

+	-----	+	-----	+	-----	+
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	0		101		2013-06-01	
--	---	--	-----	--	------------	--

	01		103		2013-02-01	
--	----	--	-----	--	------------	--

	02		103		2013-03-21	
--	----	--	-----	--	------------	--

	03		102		2013-03-02	
--	----	--	-----	--	------------	--

	04		105		2013-04-02	
--	----	--	-----	--	------------	--

+	-----	+	-----	+	-----	+
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**a)Retrieve all orders placed by a client named sajan.**

**SELECT \* FROM salesorder WHERE client\_no IN (SELECT client\_no FROM clientmaster WHERE cname = 'Sajan');**

+	-----	+	-----	+	-----	+
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	order_no		client_no		order_date	
--	----------	--	-----------	--	------------	--

+	-----	+	-----	+	-----	+
---	-------	---	-------	---	-------	---

	01		103		2013-02-01	
--	----	--	-----	--	------------	--

	02		103		2013-03-21	
--	----	--	-----	--	------------	--

+	-----	+	-----	+	-----	+
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**b)Retrieve the names of all clients and salesman in the city of mumbai.**

**SELECT c.cname,s.sname FROM clientmaster c,salesmaster s WHERE c.city="mumbai" and s.city IN (SELECT city FROM salesmaster where city="mumbai");**

+	-----	+	-----	+	-----	+
---	-------	---	-------	---	-------	---

	cname		sname			
--	-------	--	-------	--	--	--

+	-----	+	-----	+	-----	+
---	-------	---	-------	---	-------	---

	sajan		biju			
--	-------	--	------	--	--	--

	sajan		amith			
--	-------	--	-------	--	--	--

+	-----	+	-----	+	-----	+
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**c)Retrieve the order number, cname, order date from client master and sales order table.**

**SELECT c.cname,s.order\_date,s.order\_no FROM clientmaster c,salesorder s WHERE c.client\_no IN (SELECT s.client\_no from salesorder);**

+	-----	+	-----	+	-----	+
---	-------	---	-------	---	-------	---

	cname		order_date		order_no	
--	-------	--	------------	--	----------	--

```
+-----+-----+-----+
| senchu | 2013-06-01 | 0      |
| sajan  | 2013-02-01 | 01     |
| sajan  | 2013-03-21 | 02     |
| sobin  | 2013-03-02 | 03     |
| george | 2013-04-02 | 04     |
+-----+-----+-----+
```