

ADBMS LAB

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.

clientmaster

```
CREATE TABLE clientmaster(clientno int(10) PRIMARY KEY,cname varchar(50),city varchar(50))
```

salesmaster

```
CREATE TABLE salesmaster(salesmanno int(10) PRIMARY KEY,sname varchar(50),city varchar(50))
```

salesorder

```
CREATE TABLE salesorder(order_no varchar(11) CHECK (order_no LIKE '0%') PRIMARY KEY,clientno int(10) REFERENCES clientmaster(clientno),order_date date)
```

```
INSERT INTO clientmaster VALUES(101,'senchu','kannur'), (102,'sobin','kannur'), (103,'sajan','mumbai'), (104,'siju','gujarat'), (105,'george','kottayam')
```

```
INSERT INTO salesorder VALUES(00,101,'2013-06-01'), (01,103,'2013-02-01'), (02,103,'2013-03-21'), (03,102,'2013-03-02'), (04,105,'2013-04-02')
```

```
INSERT INTO salesmaster VALUES(1,'biju','mumbai'), (2,'amith','mumbai'), (3,'sreelal','kannur'), (4,'anoop','thrissur'), (5,'goutham','pala')
```

1. a) Retrieve all orders placed by a client named sajan.

```
SELECT * FROM salesorder WHERE clientno IN (SELECT clientno FROM clientmaster WHERE cname = 'Sajan')
```

order_no	clientno	order_date
1	103	2013-02-01
2	103	2013-03-21

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

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

```
SELECT s.order_no,c.cname,s.order_date FROM clientmaster c,salesorder s WHERE c.clientno IN (SELECT s.clientno from salesorder)
```

order_no	cname	order_date
0	senchu	2013-06-01
1	sajan	2013-02-01
2	sajan	2013-03-21
3	sobin	2013-03-02
4	george	2013-04-02