1)

```
MariaDB [dbmsmca2]> create table clientmaster (client_no varchar(10)primary key,name varchar(20),city varchar(20);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '' at line 1

MariaDB [dbmsmca2]> insert into client_master('101','senchu','kannur');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near ''101','senc
hu','kannur')' at line 1
MariaDB [dbmsmca2]> insert into client_master values ('101','senchu','kannur');
Query OK, 1 row affected (0.114 sec)

MariaDB [dbmsmca2]> insert into client_master values ('102','sobin','kannur');
Query OK, 1 row affected (0.806 sec)

MariaDB [dbmsmca2]> insert into client_master values ('103','sajan','mumbai');
Query OK, 1 row affected (0.043 sec)

MariaDB [dbmsmca2]> insert into client_master values ('104','siju','gujarath');
Query OK, 1 row affected (0.439 sec)

MariaDB [dbmsmca2]> insert into client_master values ('105','george','kottayam');
Query OK, 1 row affected (0.120 sec)

MariaDB [dbmsmca2]> select * from client_master;
+-----------+--------+----------+
| client_no | cname  | city     |
+-----------+--------+----------+
| 101       | senchu | kannur   |
| 102       | sobin  | kannur   |
| 103       | sajan  | mumbai   |
| 104       | siju   | gujarath |
| 105       | george | kottayam |
+-----------+--------+----------+
5 rows in set (0.001 sec)
```

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

←T→		client_no	cname	city
☐ Edit Copy Delete		101	senchu	kannur
☐ Edit Copy Delete		102	sobin	kannur
☐ Edit Copy Delete		103	sajan	mumbai
☐ Edit Copy Delete		104	siju	gujarath
☐ Edit Copy Delete		105	george	kottayam

↑ ☐ Check all   With selected: Edit Copy Delete Export

2)

```
MariaDB [dbmsmca2]> insert into salesorder values ('1','103','13-02-01');
Query OK, 1 row affected (0.058 sec)

MariaDB [dbmsmca2]> insert into salesorder values ('2','103','13-03-21');
Query OK, 1 row affected (0.116 sec)

MariaDB [dbmsmca2]> insert into salesorder values ('3','102','13-03-02');
Query OK, 1 row affected (0.036 sec)

MariaDB [dbmsmca2]> insert into salesorder values ('4','105','13-04-02');
Query OK, 1 row affected (0.046 sec)

MariaDB [dbmsmca2]> select * from salesorder;
+----------+-----------+------------+
| order_no | client_no | order_date |
+----------+-----------+------------+
| 0        | 101       | 2013-06-01 |
| 1        | 103       | 2013-02-01 |
| 2        | 103       | 2013-03-21 |
| 3        | 102       | 2013-03-02 |
| 4        | 105       | 2013-04-02 |
+----------+-----------+------------+
5 rows in set (0.001 sec)
```

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

←T→		order_no	client_no	order_date
☐ Edit Copy Delete		0	101	2013-06-01
☐ Edit Copy Delete		1	103	2013-02-01
☐ Edit Copy Delete		2	103	2013-03-21
☐ Edit Copy Delete		3	102	2013-03-02
☐ Edit Copy Delete		4	105	2013-04-02

↑ ☐ Check all   With selected: Edit Copy Delete Export

3)

```
MariaDB [dbmsmca2]> insert into sales_master values ('1','biju','mumbai');
Query OK, 1 row affected (0.038 sec)

MariaDB [dbmsmca2]> insert into salesorder values ('2','amith','mumbai');
ERROR 1062 (23000): Duplicate entry '2' for key 'PRIMARY'
MariaDB [dbmsmca2]> insert into sales_master values ('2','amith','mumbai');
Query OK, 1 row affected (0.133 sec)

MariaDB [dbmsmca2]> insert into sales_master values ('3','sreelal','kannur');
Query OK, 1 row affected (0.110 sec)

MariaDB [dbmsmca2]> insert into sales_master values ('4','anoop','thrissu');
Query OK, 1 row affected (0.114 sec)

MariaDB [dbmsmca2]> insert into sales_master values ('5','goutham','pala');
Query OK, 1 row affected (0.058 sec)

MariaDB [dbmsmca2]> select * from sales_master;
+-------------+----------+----------+
| salesman_no | sname    | city     |
+-------------+----------+----------+
| 1           | biju     | mumbai   |
| 2           | amith    | mumbai   |
| 3           | sreelal  | kannur   |
| 4           | anoop    | thrissu  |
| 5           | goutham  | pala     |
+-------------+----------+----------+
5 rows in set (0.001 sec)
```

+ Options

	salesman_no	sname	city
☐ 🖊 Edit 🗐 Copy ⊘ Delete	1	biju	mumbai
☐ 🖊 Edit 🗐 Copy ⊘ Delete	2	amith	mumbai
☐ 🖊 Edit 🗐 Copy ⊘ Delete	3	sreelal	kannur
☐ 🖊 Edit 🗐 Copy ⊘ Delete	4	anoop	thrissu
☐ 🖊 Edit 🗐 Copy ⊘ Delete	5	goutham	pala

↑ ☐ Check all   With selected: 🖊 Edit 🗐 Copy ⊘ Delete 🖫 Export

☐ Show all Number of rows: 25   Filter rows: Search this table   Sort by key: None

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

SELECT *FROM salesorder WHERE client_no IN (SELECT client_no FROM client_master WHERE cname = 'sajan');

```
MariaDB [dbmsmca2]> SELECT * FROM salesorder WHERE clientno IN (SELECT clientno FROM clientmaster WHERE cname = 'Sajan');
ERROR 1146 (42S02): Table 'dbmsmca2.clientmaster' doesn't exist
MariaDB [dbmsmca2]> SELECT * FROM salesorder WHERE client_no IN (SELECT client_no FROM client_master WHERE cname = 'Sajan');
+----------+-----------+------------+
| order_no | client_no | order_date |
+----------+-----------+------------+
| 1        | 103       | 2013-02-01 |
| 2        | 103       | 2013-03-21 |
+----------+-----------+------------+
2 rows in set (0.001 sec)
```

b)Retrieve the names of all clients and salesman in the city of Mumbai.

SELECT c.name,s.name FROM client_master c, sales_master s WHERE c.city='mumbai' and s.city IN (SELECT city from sales_master where city='mumbai');

```
MariaDB [dbmsmca2]> 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");
ERROR 1146 (42S02): Table 'dbmsmca2.clientmaster' doesn't exist
MariaDB [dbmsmca2]> SELECT c.cname,s.sname FROM client_master c,sales_master s WHERE c.city="mumbai" and s.city IN (SELECT city FROM sales_master where city="mumbai");
+-------+-------+
| cname | sname |
+-------+-------+
| sajan | biju  |
| sajan | amith |
+-------+-------+
2 rows in set (0.000 sec)
```

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

SELECT s.order_no,c.name,s.order_date FROM client_master c,salesorder s WHERE c.client_no IN (SELECT s.client_no from salesorder);

```
MariaDB [dbmsmca2]> SELECT s.order_no,c.cname,s.order_date FROM client_master c,salesorder s WHERE c.client_no IN (SELECT s.client_no 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 |
+----------+--------+------------+
5 rows in set (0.001 sec)
```