mysql> create database vlab;

Query OK, 1 row affected (0.01 sec)

mysql> show databases;

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

| Database |

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

| bank |

| information\_schema |

| mysql |

| performance\_schema |

| vlab |

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

5 rows in set (0.00 sec)

mysql> use vlab;

Database changed

mysql> create table Client\_master(Client\_no varchar(6) primary key check(Client\_no like "C%"), Name varchar(20) not null, Address1 varchar(30), Address varchar(30), City varchar(15), Pincode int(8), State varchar(15), Bal\_due decimal(10,2));

Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> create table product\_master(Product\_no varchar(6) primary key check(Product\_no like "P%"), Description varchar(15) not null, Profit\_percent decimal(4,2) not null, Unit\_measure varchar(10) not null, Qty\_no\_hand int(8) not null, Reorder\_lvl int(8) not null, Sell\_price decimal(8,2) not null check(Sell\_price>0), Cost\_price decimal(8,2) not null check(Cost\_price>0));

Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> create table salesman\_master(salesman\_no varchar(6) primary key check(salesman\_no like "P%"), salesman\_name varchar(20) not null, Address1 varchar(30) not null, Address2 varchar(30), City varchar(20), Pincode int(8), State varchar(20), sal\_amt decimal(8,2) not null check(sal\_amt>0), Tgt\_to\_get decimal(6,2) not null check(Tgt\_to\_get>0), Ytd\_sales decimal(6,2) not null, Remarks varchar(60));

Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> create table sale\_order(order\_no varchar(6) primary key check(order\_no like "O%"), order\_date date, client\_no varchar(6), Dely\_addr varchar(25), salesman\_no varchar(6), Dely\_type char(1) default "F" check(Dely\_type ="F" or Dely\_type="P"), Billed\_yn char(1), Dely\_date date, Order\_status varchar(10) check (Order\_status="In Process" or Order\_status ="Fulfilled" or Order\_status="Back Order" or Order\_status="Cancelled"), foreign key(client\_no) references Client\_master(Client\_no), foreign key(salesman\_no) references salesman\_master(salesman\_no));

Query OK, 0 rows affected (0.06 sec)

mysql> create table sale\_order\_details(Order\_no varchar(6) primary key, Product\_no varchar(6),Qty\_ordered int(8), Qty\_disp int(8), Product\_rate decimal(10,2), foreign key(Order\_no) references sale\_order(order\_no), foreign key(Product\_no) references product\_master(Product\_no));

Query OK, 0 rows affected, 2 warnings (0.07 sec)

mysql> show tables;

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

| Tables\_in\_vlab |

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

| client\_master |

| product\_master |

| sale\_order |

| sale\_order\_details |

| salesman\_master |

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

5 rows in set (0.01 sec)

mysql> desc client\_master;

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

| Field | Type | Null | Key | Default | Extra |

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

| Client\_no | varchar(6) | NO | PRI | NULL | |

| Name | varchar(20) | NO | | NULL | |

| Address1 | varchar(30) | YES | | NULL | |

| Address | varchar(30) | YES | | NULL | |

| City | varchar(15) | YES | | NULL | |

| Pincode | int | YES | | NULL | |

| State | varchar(15) | YES | | NULL | |

| Bal\_due | decimal(10,2) | YES | | NULL | |

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

8 rows in set (0.00 sec)

mysql> desc product\_master;

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

| Field | Type | Null | Key | Default | Extra |

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

| Product\_no | varchar(6) | NO | PRI | NULL | |

| Description | varchar(15) | NO | | NULL | |

| Profit\_percent | decimal(4,2) | NO | | NULL | |

| Unit\_measure | varchar(10) | NO | | NULL | |

| Qty\_no\_hand | int | NO | | NULL | |

| Reorder\_lvl | int | NO | | NULL | |

| Sell\_price | decimal(8,2) | NO | | NULL | |

| Cost\_price | decimal(8,2) | NO | | NULL | |

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

8 rows in set (0.00 sec)

mysql> desc sale\_order;

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

| Field | Type | Null | Key | Default | Extra |

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

| order\_no | varchar(6) | NO | PRI | NULL | |

| order\_date | date | YES | | NULL | |

| client\_no | varchar(6) | YES | MUL | NULL | |

| Dely\_addr | varchar(25) | YES | | NULL | |

| salesman\_no | varchar(6) | YES | MUL | NULL | |

| Dely\_type | char(1) | YES | | F | |

| Billed\_yn | char(1) | YES | | NULL | |

| Dely\_date | date | YES | | NULL | |

| Order\_status | varchar(10) | YES | | NULL | |

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

9 rows in set (0.01 sec)

mysql> desc sale\_order\_details;

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

| Field | Type | Null | Key | Default | Extra |

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

| Order\_no | varchar(6) | NO | PRI | NULL | |

| Product\_no | varchar(6) | YES | MUL | NULL | |

| Qty\_ordered | int | YES | | NULL | |

| Qty\_disp | int | YES | | NULL | |

| Product\_rate | decimal(10,2) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> desc salesman\_master;

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

| Field | Type | Null | Key | Default | Extra |

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

| salesman\_no | varchar(6) | NO | PRI | NULL | |

| salesman\_name | varchar(20) | NO | | NULL | |

| Address1 | varchar(30) | NO | | NULL | |

| Address2 | varchar(30) | YES | | NULL | |

| City | varchar(20) | YES | | NULL | |

| Pincode | int | YES | | NULL | |

| State | varchar(20) | YES | | NULL | |

| sal\_amt | decimal(8,2) | NO | | NULL | |

| Tgt\_to\_get | decimal(6,2) | NO | | NULL | |

| Ytd\_sales | decimal(6,2) | NO | | NULL | |

| Remarks | varchar(60) | YES | | NULL | |

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

11 rows in set (0.00 sec)