1.Create Database

Cmd- create database sales;

- 2.Design Schema
- 3. Create tables

```
mysql> create table customer
-> (cid bigint(20) not null auto_increment,
-> cname varchar(200) not null,
-> caddr varchar(300) not null,
-> contact int(20),
-> primary key (cid)
-> );
Query OK, 0 rows affected (0.00 sec)
```

```
iysql> desc customer;
       | Type
                    | Null | Key | Default | Extra
 Field
        | bigint(20) | NO
 cid
                            | PRI | NULL
                                          | auto increment
        | varchar(200) | NO
                                 NULL
 cname
 caddr
        | varchar(300) | NO
                                 NULL
 contact | int(20)
                     YES
                                 NULL
 rows in set (0.00 sec)
```

```
mysql> desc orders;
  Field | Type
                       | Null | Key | Default | Extra
 oid
        | bigint(20)
                       NO
                             | PRI | NULL
                                              auto increment |
  oname | varchar(255) |
                        NO
                                     NULL
 cid
      | bigint(20)
                              MUL | NULL
                       l NO
3 rows in set (0.00 sec)
```

```
mysql> desc salesperson;
 Field | Type
                     | Null | Key | Default | Extra
 sid
       | bigint(20) | NO
                            | PRI | NULL
                                            auto increment
 sname | varchar(255) | NO
                                   NULL
       | bigint(20)
                            MUL NULL
 cid
                     NO
 oid
       | bigint(20)
                     I NO
                            MUL NULL
```

4.Insert sample data

```
mysql> insert into customer(cid,cname)values (1,'parul');
Ouery OK, 1 row affected (0.00 sec)
mysql> insert into customer(cid,cname)values (2,'dolly');
Ouery OK, 1 row affected (0.01 sec)
mysql> insert into customer(cid,cname)values (3,'anuja');
Query OK, 1 row affected (0.00 sec)
mysql> insert into customer(cid,cname)values (4,'amarjeet');
Ouerv OK. 1 row affected (0.00 sec)
mysql> insert into orders(oid,oname,cid)values (01,rose,3);
ERROR 1054 (42S22): Unknown column 'rose' in 'field list'
mysql> insert into orders(oid,oname,cid)values (01,'rose',3);
Ouery OK, 1 row affected (0.00 sec)
mysql> insert into orders(oid,oname,cid)values (02,'chocolate',2);
Query OK, 1 row affected (0.00 sec)
mysql> insert into orders(oid,oname,cid)values (03,'teddy',3);
Query OK, 1 row affected (0.00 sec)
```

```
mysql> insert into salesperson(sid,sname,cid,oid)values (01,'pallavi',3,01);
Query OK, 1 row affected (0.01 sec)
mysql> insert into salesperson(sid,sname,cid,oid)values (02,'dipika',2,02);
Query OK, 1 row affected (0.00 sec)
mysql> insert into salesperson(sid,sname,cid,oid)values (03,'gaurav',1,01);
Query OK, 1 row affected (0.00 sec)
mysql> insert into salesperson(sid,sname,cid,oid)values (04,'vidhi',2,04);
Query OK, 1 row affected (0.00 sec)
mysql> insert into salesperson(sid,sname,cid,oid)values (05,'anuja',4,06);
Query OK, 1 row affected (0.00 sec)
mysql> insert into salesperson(sid,sname,cid,oid)values (06,'ahuja',3,02);
Query OK, 1 row affected (0.00 sec)
mysql> select * from salesperson;
 sid | sname | cid | oid |
  1 | pallavi | 3 | 1 |
  2 | dipika
                     2
                          2 |
   3 | gaurav
                          1 |
                     1
   4 | vidhi
                     2
                           4 |
   5 | anuja
                     4
                           6 |
   6 | ahuja
                     3 |
                           2 |
6 rows in set (0.00 sec)
```

5. Find the sales person have multiple orders.

6. Find the all sales person details along with order details

7.Create index

```
mysql> create index idx_cname on customer (cname);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

8. How to show index on a table

9. Find the order number, salesperson name, along with the customer to whom that order belongs to

```
nysql> select salesperson.sname,salesperson.oid,customer.cname from salesperson left join customer on salesperson.oid=customer.cid order by sa esperson.sname;

sname | oid | cname |

ahuja | 2 | dolly |

ahuja | 6 | NUL |

dipika | 2 | dolly |

dipika | 2 | dolly |

dipika | 4 | amarjeet |

gaurav | 1 | parul |

pallavi | 1 | parul |

pallavi | 3 | anuja |

vidhi | 4 | amarjeet |

srows in set (0.00 sec)
```