* 1. **Table Name :** salesman\_master

**Description:** Use to store information about salesman working in the company

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attributes** |
| salesman\_no | Varchar | 6 | Primary key/first letter must start with ‘S’ |
| salesman\_name | Varchar | 20 | not null |
| Address1 | Varchar | 30 | not null |
| Address2 | Varchar | 30 |  |
| city | Varchar | 20 |  |
| pincode | Varchar | 6 |  |
| state | Varchar | 20 |  |
| sal\_amt | decimal | 8,2 | not null, greater than 0 |
| tgt\_to\_get | decimal | 6,2 | not null, greater than 0 |
| ytd\_sales | decimal | 6,2 | not null |
| remarks | Varchar | 60 |  |

**Answer:-**

**Commands for salesman master:-**

**create table salesman\_master(**

**-> salesman\_no varchar(6) primary key check(salesman\_no like 's%'),**

**-> salesman\_name varchar(20) not null,**

**-> address1 varchar(30) not null,**

**-> address2 varchar(30),**

**-> city varchar(20),**

**-> pincode varchar(6),**

**-> 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));**

**insert into salesman\_master values('s00001','Kiran','A/14','Worli',**

**-> 'Bombay','400002','mah',3000,100,50,'Good');**

**insert into salesman\_master values('s00002','Manish','65','Nariman',**

**-> 'Bombay','400001','mah',3000,200,100,'Good');**

**insert into salesman\_master values('s00003','Ravi','p-7','Bandra',**

**-> 'Bombay','400032','mah',3000,200,100,'Good');**

**insert into salesman\_master values('s00004','Ashish','A/5','Juhu',**

**-> 'Bombay','400044','mah',3500,200,150,'Good');**

* 1. **Table Name :** sales\_order

**Description:** Use to store information about order

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attributes** |
| s\_order\_no | Varchar | 6 | Primary key/first letter must start with ‘O’ |
| s\_order\_date | Datetime |  |  |
| client\_no | Varchar | 6 | Foreign key references client\_no of client\_master table |
| dely\_addr | Varchar | 25 |  |
| salesman\_no | Varchar | 6 | Foreign key references salesman\_no of salesman\_master table |
| dely\_type | Char | 1 | Default ‘F’,delivery :part (P) / full (F) |
| billed\_yn | Char | 1 | delivery :part (Y) / full (N), Default ‘N’ |
| dely\_date | Date |  | cannot be less than s\_order\_date |
| order\_status | Varchar | 10 | values (‘in process’, ’Fulfilled’, ’BackOrder’, ’Canceled’) |

**3. Data for salesman\_master table:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Salesman\_ no | Salesman\_ name | Address1 | Address2 | City | Pin code | State | sal\_amt | Tgt\_to Get | Ytd sales | Remarks |
| S00001 | Kiran | A/14 | Worli | Bombay | 400002 | MAH | 3000 | 100 | 50 | Good |
| S00002 | Manish | 65 | Nariman | Bombay | 400001 | MAH | 3000 | 200 | 100 | Good |
| S00003 | Ravi | P-7 | Bandra | Bombay | 400032 | MAH | 3000 | 200 | 100 | Good |
| S00004 | Ashish | A/5 | Juhu | Bombay | 400044 | MAH | 3500 | 200 | 150 | Good |

**4. Data for sales\_order table :**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_order\_no** | **S\_order\_date** | **Client No** | **Dely Type** | **Bill Yn** | **salesman no** | **Dely Date** | **Order Status** |
| O19001 | 12-Jan-1996 | C00001 | F | N | S00001 | 1996-1-29 | IP |
| O19002 | 25-Jan-1996 | C00002 | P | N | S00002 | 1996-1-27 | C |
| O46865 | 18-Feb-1996 | C00003 | F | Y | S00003 | 1996-2-2 | F |
| O19003 | 03-Apr-1996 | C00001 | F | Y | S00001 | 1996-4-4 | F |
| O46866 | 20-May-1996 | C00004 | P | N | S00002 | 1996-5-22 | C |
| O10008 | 24-May-1996 | C00005 | F | N | S00004 | 1996-5-10 | IP |

Answer:-

Commands for sales\_order table:-

mysql> create table sales\_order(

-> s\_order\_no varchar(6) primary key check(s\_order\_no like 'o%'),

-> s\_order\_date datetime,

-> client\_no varchar(6), foreign key(client\_no) references client\_master(client\_no),

-> dely\_addr varchar(25),

-> salesman\_no varchar(6), foreign key(salesman\_no) references salesman\_master(salesman\_no),

-> dely\_type char(1) default'F' check( dely\_type in('P','F')),

-> billed\_type char(1) default'N' check(billed\_type in('Y','N')),

-> dely\_date date,

-> order\_status varchar(10) check(order\_status in('in process','fulfilled','backorder','canceled')),

-> check(dely\_date >= s\_order\_date));

insert into sales\_order values(

-> 'o19001','1996-01-12','c00001','Bombay','s00001','F','N','1996-01-29',

-> 'in process');

insert into sales\_order values(

-> 'o19002','1996-01-25','c00002','Pune','s00002','P','N','1996-01-27',

-> 'canceled');

insert into sales\_order values(

-> 'o19003','1996-04-03','c00001','Nagpur','s00001','F','Y','1996-04-04',

-> 'fulfilled');

insert into sales\_order values(

-> 'o46866','1996-05-20','c00004','Satara','s00002','P','N','1996-05-22',

-> 'canceled');

1. Create the following tables:
   1. **Table Name :** Client\_master

**Description:** Use to store information about client

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attributes** |
| client\_no | Varchar | 6 | Primary key/first letter must start with ‘C’ |
| Name | Varchar | 20 | not null |
| address1 | Varchar | 30 |  |
| address2 | Varchar | 30 |  |
| city | Varchar | 15 |  |
| state | Varchar | 15 |  |
| pincode | Numeric | 6 |  |
| bal\_due | decimal | 10,2 |  |

2. Insert the following data into their respective tables using the SQL insert statement:

**1. Data for client\_master table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Client No** | **Name** | **City** | **Pin Code** | **State** | **Bal\_Due** |
| C00001 | Ivan Bayross | Bombay | 400054 | Maharashtra | 15000 |
| C00002 | Vandana Saitwal | Madras | 780001 | Tamil Nadu | 0 |
| C00003 | Pramada Jaguste | Bombay | 400057 | Maharashtra | 5000 |
| C00004 | Basu Navindgi | Bombay | 400056 | Maharashtra | 0 |
| C00005 | Ravi Sreedharan | Delhi | 100001 | Delhi | 2000 |
| C00006 | Rukmini | Bombay | 400050 | Maharashtra | 0 |

Answer:-

Commands use in client master table:-

create table client\_master(

-> client\_no varchar(6) primary key check(client\_no like 'c%'),

-> client\_name varchar(20) not null,

-> address1 varchar(30),

-> address2 varchar(30),

-> city varchar(15),

-> state varchar(15),

-> pincode numeric(6),

-> bal\_due decimal(10,2));

insert into client\_master values('c00001','Ivan Bayross','Cafe road',

-> null,'Bombay','Maharashtra',400054,15000);

insert into client\_master values('c00002','Vandana Saitwal','Ghumat road',

-> null,'Madras','Tamil Nadu',780001,0);

insert into client\_master values('c00003','Pramada Jaguste','Nariman point',

-> null,'Bombay','Maharashtra',400057,5000);

insert into client\_master values('c00004','Basu Navindgi','Marine lines',

-> null,'Bombay','Maharashtra',400056,0);

insert into client\_master values('c00005','Ravi Sreedharan','Rohini sector 7',

-> null,'Delhi','Delhi',100001,2000);

insert into client\_master values('c00006','Rukmini','Krishna nagar',

-> null,'Bombay','Maharashtra',400050,0);