JOHN EMMANUEL P. DE GUZMAN

ASSIGNMENT NO.3

* 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 | number | 8,2 | not null, cannot be 0 |
| tgt\_to\_get | number | 6,2 | not null, cannot be 0 |
| ytd\_sales | number | 6,2 | not null |
| remarks | Varchar | 60 |  |

**create table salesman\_master ( salesman\_no varchar(6) primary key constraint start\_s 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 number(8,2)not null constraint salchecknotzero check(sal\_amt != 0), tgt\_to\_get number(6,2)not null constraint tgtchecknotzero check(tgt\_to\_get != 0), ytd\_sales number(6,2)not null, remarks varchar(60));**

* 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’) |

**create table sales\_order ( s\_order\_no varchar(6) primary key constraint start\_in\_o check(s\_order\_no like 'o%'), s\_order\_date date default '10-may-96', client\_no varchar(6) references client\_master(client\_no), dely\_addr varchar(25), billed\_yn char(1) default 'n', salesman\_no varchar(6) references salesman\_master(salesman\_no), dely\_date date , order\_status varchar(10), constraint check\_date check(dely\_date>s\_order\_date), constraint check\_y\_n check (billed\_yn = any('y','n')), constraint order\_stat\_check check(order\_status = any('in process','fullfilled', 'backorder', 'canceled')));**

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

**Description:** Use to store information about products ordered.

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attributes** |
| s\_order\_no | Varchar | 6 | Foreign key references s\_order\_no of sales\_order table |
| product\_no | Varchar | 6 | Foreign key references product\_no of product\_master table |
| qty\_ordered | Numeric | 8 |  |
| qty\_disp | Numeric | 8 |  |
| product\_rate | Numeric | 10,2 |  |

**create table sales\_order(**

**s\_order\_no varchar(6) primary key**

**constraint start\_o check(s\_order\_no like 'O%'),**

**s\_order\_date date,**

**client\_no varchar(6) references client\_master,**

**dely\_addr varchar(25),**

**salesman\_no varchar(6) references salesman\_master,**

**dely\_type char(1) default 'F',**

**billed\_yn char(1) default 'N',**

**dely\_date date,**

**constraint check\_dely\_date check(dely\_date >= s\_order\_date),**

**order\_status varchar(10)**

**constraint check\_order\_status check(order\_status in("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 |

**create table product\_master(**

**product\_no varchar(6) primary key**

**constraint startinp check(product\_no like 'P%'));**

**create table sales\_order\_details(**

**s\_order\_no varchar(6) references sales\_order(s\_order\_no),**

**product\_no varchar(6) references product\_master(product\_no),**

**qty\_ordered number(8),**

**qty\_disp number(8),**

**product\_rate number(10,2));**

**4. Data for sales\_ordertable :**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S\_order\_no** | **S\_order\_date** | **Client No** | **Dely Type** | **Bill Yn** | **salesman no** | **Dely Date** | **Order Status** |
| O19001 | 12-Jan-2021 | C00001 | F | N | S00001 | 20-Jan-2021 | IP |
| O19002 | 25-Jan-2021 | C00002 | P | N | S00002 | 27-Jan-2021 | C |
| O46865 | 18-Feb-2021 | C00003 | F | Y | S00003 | 20-Feb-2021 | F |
| O19003 | 03-Apr-2021 | C00001 | F | Y | S00001 | 07-Apr-2021 | F |
| O46866 | 20-May-2021 | C00004 | P | N | S00002 | 22-May-2021 | C |
| O10008 | 24-May-2021 | C00005 | F | N | S00004 | 26-May-2021 | IP |

**insert into sales\_order**

**values ('o19001','12-jan-2021','c00001','f','n','s00001','20-jan-2021', 'in process');**

**insert into sales\_order**

**values ('o19002','25-jan-2021','c00002','p','n','s00002','27-jan-2021', 'canceled');**

**insert into sales\_order**

**values ('o46865','18-feb-2021','c00003','f','y','s00003','20-feb-2021', 'fullfilled');**

**insert into sales\_order**

**values ('o19003','03-apr-2021','c00001','f','y','s00001','07-apr-2021', 'fullfilled');**

**insert into sales\_order**

**values ('o46866','20-may-2021','c00004','p','n','s00002','22-may-2021', 'canceled');**

**insert into sales\_order**

**values ('o10008','24-may-2021','c00005','f','n','s00004','26-may-2021', 'in process');**

**5. Data for sales\_order\_details table:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **s\_order\_no** | **product\_no** | **Qty ordered** | **qty\_Disp** | **Product rate** |
| O19001 | P00001 | 4 | 4 | 525 |
| O19001 | P07965 | 2 | 1 | 8400 |
| O19001 | P07885 | 2 | 1 | 5250 |
| O19002 | P00001 | 10 | 0 | 525 |
| O46865 | P07868 | 3 | 3 | 3150 |
| O46865 | P07885 | 3 | 1 | 5250 |
| O46865 | P00001 | 10 | 10 | 525 |
| O46865 | P03453 | 4 | 4 | 1050 |
| O19003 | P03453 | 2 | 2 | 1050 |
| O19003 | P06734 | 1 | 1 | 12000 |
| O46866 | P07965 | 1 | 0 | 8400 |
| O46866 | P07975 | 1 | 0 | 1050 |
| O10008 | P00001 | 10 | 5 | 525 |
| O10008 | P07975 | 5 | 3 | 1050 |

**insert into sales\_order\_details values ('o19001','p00001',4,4,525); insert into sales\_order\_details values ('o19001','p07965',2,1,8400); insert into sales\_order\_details values ('o19001','p07885',2,1,5250); insert into sales\_order\_details values ('o19002','p00001',10,0,525); insert into sales\_order\_details values ('o46865','p07868',3,3,3150); insert into sales\_order\_details values ('o46865','p07885',3,1,5250); insert into sales\_order\_details values ('o46865','p00001',10,10,525); insert into sales\_order\_details values ('o46865','p03453',4,4,1050); insert into sales\_order\_details values ('o19003','p03453',2,2,1050); insert into sales\_order\_details values ('o19003','p06734',1,1,12000); insert into sales\_order\_details values ('o46866','p07965',1,0,8400); insert into sales\_order\_details values ('o46866','p07975',1,0,1050); insert into sales\_order\_details values ('o10008','p00001',10,5,525); insert into sales\_order\_details values ('o10008','p07975',5,3,1050);**