**Oracle Assignment: 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 |  |

* 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’) |

* 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 |  |

**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\_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 |

**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 |

ANSWERS:

--1.

create table salesman\_master

(salesman\_no varchar2(6)primary key check(salesman\_no like 'S%'),

salesman\_name varchar2(20)not null,

Address1 varchar2(30)not null,

Address2 varchar2(30),

city varchar2(20),

pincode varchar2(6),

state varchar2(20),

sal\_amt number(8,2)not null check(sal\_amt<>0),

tgt\_to\_get number(6,2)not null check(tgt\_to\_get<>0),

ytd\_sales number(6,2)not null,

remarks varchar2(60));

--2.

create table sales\_order

(s\_order\_no varchar2(6)primary key check(s\_order\_no like 'O%'),

s\_order\_date date,

client\_no varchar2(6)references client\_master(client\_no),

dely\_addr varchar2(25),

salesman\_no varchar2(6)references salesman\_master(salesman\_no),

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

billed\_yn char(1)default 'N' check(billed\_yn in ('Y','N')),

dely\_date date check(dely\_date>s\_order\_date),

order\_status varchar2(2))check(order\_status in ('IP','F','BO','C'));

--3

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 numeric(8),

qty\_disp numeric(8),

product\_rate numeric(10,2)

);

--4

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');

--5

insert into sales\_order values('O19001', 12-Jan-2021, 'C00001', 'F', 'N', 'S00001', 20-Jan-2021, 'IP');

insert into sales\_order values('O19002', 25-Jan-2021, 'C00002', 'P', 'N', 'S00002', 27-Jan-2021, 'C');

insert into sales\_order values('O46865', 18-Feb-2021, 'C00003', 'F', 'Y', 'S00003', 20-Feb-2021, 'F');

insert into sales\_order values('O19003', 03-Apr-2021, 'C00001', 'F', 'Y', 'S00001', 07-Apr-2021, 'F');

insert into sales\_order values('O46866', 20-May-2021, 'C00004', 'P', 'N', 'S00002', 22-May-2021, 'C');

insert into sales\_order values('O10008', 24-May-2021, 'C00005', 'F', 'N', 'S00004', 26-May-2021, 'IP');

--6

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);