**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 |

a.

CREATE TABLE SALESMAN\_MASTER(

SALESMAN\_NO VARCHAR(6) PRIMARY KEY,

SALESMANNAME VARCHAR2(20) NOT NULL,

ADDRESS1 VARCHAR2(30) NOT NULL,

ADDRESS2 VARCHAR2(30),

CITY VARCHAR2(20),

PINCODE NUMBER(6),

STATE VARCHAR2(20),

SALAMT NUMBER(8,2) NOT NULL,

TGTTOGET NUMBER(6,2) NOT NULL,

YTDSALES NUMBER(6,2) NOT NULL,

REMARKS VARCHAR2(60));

b.

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,

CLIENT\_NO VARCHAR(6) REFERENCES CLIENT\_MASTER(CLIENT\_NO),

SALESMAN\_NO VARCHAR(6) REFERENCES SALESMAN\_MASTER(SALESMAN\_NO),

DELY\_TYPE CHAR(1) DEFAULT 'F',

BILLED\_YN CHAR(1) DEFAULT 'N',

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','Fulfilled', 'BackOrder', 'Cancelled')));

c.

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));

3

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');

4

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', 'Cancelled');

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', 'Cancelled');

INSERT INTO SALES\_ORDER

VALUES ('O10008','24-MAY-2021','C00005','F','N','S00004','26-MAY-2021', 'in process');

5

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);