



# DEV JATINBHAI PATEL

20CEUOS018

CE076

DBMS ASSIGNMENT - 4

1. Create the Sales\_master table

```
create table sales_master( salesman_no varchar2(6)CHECK(salesman_no LIKE 'S%'),
    sal_names varchar2(20)NOT NULL,
    Address1 varchar2(20)NOT NULL,
    Address2 varchar2(30)NOT NULL,
    city varchar2(20),
    pincode varchar2(6),
    state varchar2(20),sal_amt number(8,2)NOT NULL,
    tgt_to_get number(6,2)NOT NULL,
    ytd_sales number(6,2)NOT NULL,
    remarks varchar2(30),
    PRIMARY KEY(salesman_no),
    CHECK(tgt_to_get !=0),
    CHECK(sal_amt !=0),
    CHECK(ytd_sales!=0 )
);
```

- insert into sales\_master (salesman\_no,sal\_names ,Address1 ,Address2,city ,pincode,state ,sal\_amt ,tgt\_to\_get,ytd\_sales ,remarks)VALUES('S00001', 'Aman', 'A/14', 'Worli', 'Mumbai', '400002', 'Maharashtra', '3000', '100', '50', 'Good');
- insert into sales\_master (salesman\_no,sal\_names ,Address1 ,Address2,city ,pincode,state ,sal\_amt ,tgt\_to\_get,ytd\_sales ,remarks)VALUES('S00002', 'Omkar', '65', 'Nariman', 'Mumbai', '400001', 'Maharashtra', '3000', '200', '100', 'Good');
- insert into sales\_master (salesman\_no,sal\_names ,Address1 ,Address2,city ,pincode,state ,sal\_amt ,tgt\_to\_get,ytd\_sales ,remarks)VALUES('S00003', 'Raj', 'P-7', 'Bandra', 'Mumbai', '400032', 'Maharashtra', '3000', '200', '100', 'Good');
- insert into sales\_master (salesman\_no,sal\_names ,Address1 ,Address2,city ,pincode,state ,sal\_amt ,tgt\_to\_get,ytd\_sales ,remarks)VALUES('S00004', 'Ashish', 'A/5', 'Juhu', 'Mumbai', '400044', 'Maharashtra', '3500', '200', '150', 'Good');

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	SALESMAN_NO	SAL_NAMES	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SAL_AMT	TGT_TO_GET	YTD_SALES	REMARKS
1	S00001	Aman	A/14	Worli	Mumbai	400002	Maharashtra	3000	100	50	Good
2	S00002	Omkar	65	Nariman	Mumbai	400001	Maharashtra	3000	200	100	Good
3	S00003	Raj	P-7	Bandra	Mumbai	400032	Maharashtra	3000	200	100	Good
4	S00004	Ashish	A/5	Juhu	Mumbai	400044	Maharashtra	3500	200	150	Good

2.Create the Sales\_order table:

```
create table sales_order(  
    s_order_no varchar2(6)CHECK(s_order_no LIKE 'O%'),  
    Order_date Date NOT NULL,Client_no varchar2(6),  
    Dely_add varchar2(25),  
    Salesman_no Varchar2(6),  
    Dely_type Char(1) default('F'),  
    Bill_yn char(1),  
    Dely_date date,Order_status Varchar2(10),  
    CHECK(Order_date<Dely_date),  
    CHECK(Order_status IN('in process','fulfilled','back order','cancelled')),  
    PRIMARY KEY (s_order_no),  
    FOREIGN KEY(Salesman_no)REFERENCES sales_master,  
    FOREIGN KEY(Client_no)REFERENCES client_master,  
    CHECK(Dely_type IN('P','F'))  
);
```

```
insert into
sales_order(s_order_no,Order_date,Client_no,Dely_add,Salesman_no,Dely_type,Bill_yn,Dely_date,
Order_status)VALUES('O19001', '12-jan-96', '0001', '-', 'S00001', 'F', 'N', '20-jan-96', 'in process');
```

```
insert into
sales_order(s_order_no,Order_date,Client_no,Dely_add,Salesman_no,Dely_type,Bill_yn,Dely_date,
Order_status)VALUES('O19002', '25-jan-96', '0002', '-', 'S00002', 'P', 'N', '27-jan-96', 'cancelled');
```

```
insert into
sales_order(s_order_no,Order_date,Client_no,Dely_add,Salesman_no,Dely_type,Bill_yn,Dely_date,
Order_status)VALUES('O16865', '18-feb-96', '0003', '-', 'S00003', 'F', 'Y', '20-feb-96', 'fulfilled');
```

```
insert into
sales_order(s_order_no,Order_date,Client_no,Dely_add,Salesman_no,Dely_type,Bill_yn,Dely_date,
Order_status)VALUES('O19003', '03-apr-96', '0001', '-', 'S00001', 'F', 'Y', '07-apr-96', 'fulfilled');
```

```
insert into
sales_order(s_order_no,Order_date,Client_no,Dely_add,Salesman_no,Dely_type,Bill_yn,Dely_date,
Order_status)VALUES('O46866', '20-may-96', '0004', '-', 'S00002', 'P', 'N', '22-may-96', 'cancelled');
```

```
insert into
sales_order(s_order_no,Order_date,Client_no,Dely_add,Salesman_no,Dely_type,Bill_yn,Dely_date,
Order_status)VALUES('O10008', '24-may-96', '0005', '-', 'S00004', 'F', 'N', '26-may-96', 'in process');
```

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	S_ORDER_NO	ORDER_DATE	CLIENT_NO	DELY_ADD	SALESMAN_NO	DELY_TYPE	BILL_YN	DELY_DATE	ORDER_STATUS
1	O19001	12-01-96	0001	-	S00001	F	N	20-01-96	in process
2	O19002	25-01-96	0002	-	S00002	P	N	27-01-96	cancelled
3	O16865	18-02-96	0003	-	S00003	F	Y	20-02-96	fulfilled
4	O19003	03-04-96	0001	-	S00001	F	Y	07-04-96	fulfilled
5	O46866	20-05-96	0004	-	S00002	P	N	22-05-96	cancelled
6	O10008	24-05-96	0005	-	S00004	F	N	26-05-96	in process

```
3.create table Sales_order_details(  
    S_order_no varchar2(6),  
    Product_no varchar2(6),  
    Qty_order number(8),  
    Qty_disp number(8),  
    Product_rate number(10,2),  
    FOREIGN KEY(S_order_no)REFERENCES sales_order,  
    FOREIGN KEY(Product_no)REFERENCES Product_master  
);
```



```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O19001', 'P00001', '4', '4', '525');
```

```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O19001', 'P07965', '2', '1', '8400');
```

```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O19001', 'P07885', '2', '1', '5250');
```





```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O19002', 'P00001', '10', '0', '525');
```

```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O16865', 'P07868', '3', '3', '3150');
```

```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O16865', 'P07885', '10', '10', '5250');
```

```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O19003', 'P00001', '4', '4', '1050');
```

```
insert into Sales_order_details(S_order_no,Product_no,Qty_order,Qty_disp,Product_rate)
VALUES('O19003', 'P03453', '2', '2', '1050');
```





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	S_ORDER_NO	PRODUCT_NO	QTY_ORDER	QTY_DISP	PRODUCT_RATE
1	O19001	P00001	4	4	525
2	O19001	P07965	2	1	8400
3	O19001	P07885	2	1	5250
4	O19002	P00001	10	0	525
5	O16865	P07868	3	3	3150
6	O16865	P07885	10	10	5250
7	O19003	P00001	4	4	1050
8	O19003	P03453	2	2	1050
9	O46866	P06734	1	1	12000
10	O46866	P07865	1	0	8400
11	O10008	P07975	1	0	1050
12	O10008	P00001	10	5	525