1 ) create table client\_master\_23 (clientno varchar(6)primary key, name varchar(15)not null, address1 varchar(5), address2 varchar(5), city varchar(15), pincode number(6), state varchar(15), baldue number(10,2), constraint chk\_client check (clientno like 'C%'));

2) create table product\_master\_23 (productno varchar(6)primary key, description varchar(15)not null, profitpercent number(4,2)not null, unitmaster varchar(7)not null, qtyonhand number(4)not null, reorderlvl number(3)not null, sellprice number(5,2)not null, costprice number(5,2)not null, constraint chk\_productno check (productno like 'P%'), constraint chk\_sellprice check (sellprice!=0), constraint chk\_costprice check (costprice!=0));

3) create table salesman\_master\_23 (salesmanno varchar(6)primary key, salesmanname varchar(15)not null, address1 varchar(10)not null, address2 varchar(10), city varchar(10), pincode number(6), state varchar(12), salamt number(8,2)not null, tgttoget number(6,2)not null, ytdsales number(6,2)not null, remarks varchar(10), constraint chk\_salesmanno check(salesmanno like 'S%'), constraint chk\_salamt check(salamt!=0), constraint chk\_tgttoget check(tgttoget!=0), constraint chk\_ytdsales check(ytdsales!=0));

4) create table sales\_order\_23 (orderno varchar(6)primary key, clientno varchar(6) references client\_master\_23, orderdate date not null, delyaddr varchar(20), salesmanno varchar(6) references salesman\_master\_23, delytype char(1), billyn char(1), delydate date, orderstatus varchar(10), constraint chk\_orderno check (orderno like 'O%'), constraint chk\_delytype check (delytype in('p','f')), constraint chk\_delydate check (delydate>orderdate), constraint chk\_orderstatus check (orderstatus in('in process','fulfilled','backorder','cancelled')));

5) create table sales\_order\_details\_23 (orderno varchar(6) references sales\_order\_23, productno varchar(6) references product\_master\_23, qtyordered number(8), qtydisp number(8), productrate number(10,2));

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P08001', 'T-Shirt', 5, 'piece', 200, 50, 350, 250);

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P08345', 'Shirt', 6, 'piece', 150, 59, 500, 350),

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P06734', 'Cotton Jeans', 5, 'piece', 100, 20, 600, 450),

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P07865', 'Jeans', 5, 'piece', 100, 50, 750, 550),

INSERT INTO PRODUCT\_MASTER\_23 VALUES INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P07868', 'Trouser', 2, 'piece', 150, 50, 850, 550),

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P07885', 'Pull Over', 2.5, 'piece', 80, 30, 780, 450),

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P07965', 'Denim Shirt', 4, 'piece', 100, 40, 350, 250),

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P07975', 'Lycra Tops', 5, 'piece', 70, 30, 300, 175),

INSERT INTO PRODUCT\_MASTER\_23 VALUES ('P08865', 'Skirts', 5, 'piece', 75, 30, 450, 300);

INSERT INTO SALESMAN\_MASTER\_23 VALUES ('S08001', 'Aman', 'A/14', 'Worli', 'Mumbai', '400002', 'Maharashtra', 3000, 100, 50, 'Good'),

INSERT INTO SALESMAN\_MASTER\_23 VALUES ('S08002', 'Omkar', '65', 'Nariman', 'Mumbai', '400001', 'Maharashtra', 3000, 200, 100, 'Good'),

INSERT INTO SALESMAN\_MASTER\_23 VALUES ('S08003', 'Raj', 'P-7', 'Bandra', 'Mumbai', '400032', 'Maharashtra', 3000, 200, 100, 'Good'),

INSERT INTO SALESMAN\_MASTER\_23 VALUES ('S08004', 'Ashish', 'A/5', 'Juhu', 'Mumbai', '400044', 'Maharashtra', 3000, 200, 100, 'Good');

INSERT INTO client\_master\_23 (ClentnNo, Name, City, Pincode, State, BalDue) VALUES

('C00001', 'Rakesh Joshi', 'Mumbai', 400054, 'Maharashtra', 15000);

INSERT INTO client\_master\_23 (ClentnNo, Name, City, Pincode, State, BalDue) VALUES

('C00002', 'Mayur Patel', 'Madras', 780001, 'Tamilnadu', 0);

INSERT INTO client\_master\_23 (ClentnNo, Name, City, Pincode, State, BalDue) VALUES

('C00003', 'Ishita Mehta', 'Mumbai', 400057, 'Maharashtra', 5000);

INSERT INTO client\_master\_23 (ClentnNo, Name, City, Pincode, State, BalDue) VALUES

('C00004', 'Amit Solanki', 'Bangalore', 560001, 'Karnataka', 0);

INSERT INTO client\_master\_23 (ClentnNo, Name, City, Pincode, State, BalDue) VALUES

('C00005', 'Hiren Pandya', 'Mumbai', 400060, 'Maharashtra', 2000);

INSERT INTO client\_master\_23 (ClentnNo, Name, City, Pincode, State, BalDue) VALUES

('C00006', 'Dipak Sharma', 'Mangalore', 560050, 'Karnataka', 0);

INSERT INTO Sales\_Order\_23 (OrderNo, ClientNo, OrderDate, SalesmanNo, DelyType, BillYN, DelyDate, OrderStatus) VALUES

('O19001', 'C00001', TO\_DATE('12-June-04', 'DD-Mon-YY'), 'S00001', 'F', 'N', TO\_DATE('20-July-04', 'DD-Mon-YY'), 'In Process');

INSERT INTO Sales\_Order\_23 (OrderNo, ClientNo, OrderDate, SalesmanNo, DelyType, BillYN, DelyDate, OrderStatus) VALUES

('O19002', 'C00002', TO\_DATE('25-June-04', 'DD-Mon-YY'), 'S00002', 'P', 'N', TO\_DATE('27-June-04', 'DD-Mon-YY'), 'Cancelled');

INSERT INTO Sales\_Order\_23 (OrderNo, ClientNo, OrderDate, SalesmanNo, DelyType, BillYN, DelyDate, OrderStatus) VALUES

('O46865', 'C00003', TO\_DATE('18-Feb-04', 'DD-Mon-YY'), 'S00003', 'F', 'Y', TO\_DATE('20-Feb-04', 'DD-Mon-YY'), 'Fulfilled');

INSERT INTO Sales\_Order\_23 (OrderNo, ClientNo, OrderDate, SalesmanNo, DelyType, BillYN, DelyDate, OrderStatus) VALUES

('O19003', 'C00004', TO\_DATE('03-Apr-04', 'DD-Mon-YY'), 'S00001', 'F', 'Y', TO\_DATE('07-Apr-02', 'DD-Mon-YY'), 'Fulfilled');

INSERT INTO Sales\_Order\_23 (OrderNo, ClientNo, OrderDate, SalesmanNo, DelyType, BillYN, DelyDate, OrderStatus) VALUES

('O46866', 'C00005', TO\_DATE('20-May-04', 'DD-Mon-YY'), 'S00002', 'P', 'N', TO\_DATE('22-May-04', 'DD-Mon-YY'), 'Cancelled');

INSERT INTO Sales\_Order\_23 (OrderNo, ClientNo, OrderDate, SalesmanNo, DelyType, BillYN, DelyDate, OrderStatus) VALUES

('O19008', 'C00006', TO\_DATE('24-May-04', 'DD-Mon-YY'), 'S00004', 'F', 'N', TO\_DATE('26-July-04', 'DD-Mon-YY'), 'Fulfilled');

INSERT INTO Sales\_order\_details\_23 VALUES ('O19001', 'P00001', 4, 4, 525);

INSERT INTO Sales\_order\_details\_23 VALUES ('O19001', 'P07965', 2, 1, 8400);

INSERT INTO Sales\_order\_details\_23 VALUES ('O19001', 'P07885', 2, 1, 5250);

INSERT INTO Sales\_order\_details\_23 VALUES ('O19002', 'P00001', 10, 0, 525);

INSERT INTO Sales\_order\_details\_23 VALUES ('O46865', 'P07868', 3, 3, 3150);

INSERT INTO Sales\_order\_details\_23 VALUES ('O46865', 'P07885', 3, 1, 5250);

INSERT INTO Sales\_order\_details\_23 VALUES('O46865', 'P00001', 10, 10, 525);

INSERT INTO Sales\_order\_details\_23 VALUES('O46865', 'P0345', 4, 4, 1050);

INSERT INTO Sales\_order\_details\_23 VALUES ('O19003', 'P03453', 2, 2, 1050);

INSERT INTO Sales\_order\_details\_23 VALUES ('O19003', 'P06734', 1, 1, 12000);

INSERT INTO Sales\_order\_details\_23 VALUES ('O46866', 'P07965', 1, 0, 8400);

INSERT INTO Sales\_order\_details\_23 VALUES ('O46866', 'P07975', 1, 0, 1050);

INSERT INTO Sales\_order\_details\_23 VALUES ('O19008', 'P00001', 10, 5, 525);

INSERT INTO Sales\_order\_details\_23 VALUES('O19008', 'P07975', 5, 3, 1050);