1 ) create table client\_master\_156 (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\_156 (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\_156 (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\_156 CHECK (salesmanno LIKE 'S%'), CONSTRAINT chk\_salamt\_156 CHECK (salamt != 0), CONSTRAINT chk\_tgttoget\_156 CHECK (tgttoget != 0), CONSTRAINT chk\_ytdsales\_156 CHECK (ytdsales != 0));

4) create table sales\_order\_156 (orderno varchar(6)primary key, clientno varchar(6) references client\_master\_156(clientno), orderdate date not null, delyaddr varchar(20), salesmanno varchar(6) references salesman\_master\_156(salesmanno), 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('inprocess','fulfilled','backorder','cancelled')));

5) create table sales\_order\_details\_156 (orderno varchar(6) references sales\_order\_156(orderno), productno varchar(6) references product\_master\_156(productno), qtyordered number(8), qtydisp number(8), productrate number(10,2));

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P08001', 'T-Shirt', 5, 'piece', 200, 50, 350, 250);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P08345', 'Shirt', 6, 'piece', 150, 59, 500, 350);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P06734', 'Cotton Jeans', 5, 'piece', 100, 20, 600, 450);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P07865', 'Jeans', 5, 'piece', 100, 50, 750, 550);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P07868', 'Trouser', 2, 'piece', 150, 50, 850, 550);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P07885', 'Pull Over', 2.5, 'piece', 80, 30, 780, 450);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P07965', 'Denim Shirt', 4, 'piece', 100, 40, 350, 250);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P07975', 'Lycra Tops', 5, 'piece', 70, 30, 300, 175);

INSERT INTO PRODUCT\_MASTER\_156 VALUES ('P08865', 'Skirts', 5, 'piece', 75, 30, 450, 300);

INSERT INTO SALESMAN\_MASTER\_156 VALUES ('S08001', 'Aman', 'A/14', 'Worli', 'Mumbai', '400002', 'Maharashtra', 3000, 100, 50, 'Good');

INSERT INTO SALESMAN\_MASTER\_156 VALUES ('S08002', 'Omkar', '65', 'Nariman', 'Mumbai', '400001', 'Maharashtra', 3000, 200, 100, 'Good');

INSERT INTO SALESMAN\_MASTER\_156 VALUES ('S08003', 'Raj', 'P-7', 'Bandra', 'Mumbai', '400032', 'Maharashtra', 3000, 200, 100, 'Good');

INSERT INTO SALESMAN\_MASTER\_156 VALUES ('S08004', 'Ashish', 'A/5', 'Juhu', 'Mumbai', '400044', 'Maharashtra', 3000, 200, 100, 'Good');

INSERT INTO client\_master\_156 VALUES

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

INSERT INTO client\_master\_156 VALUES

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

INSERT INTO client\_master\_156 VALUES

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

INSERT INTO client\_master\_156 VALUES

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

INSERT INTO client\_master\_156 VALUES

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

INSERT INTO client\_master\_156 VALUES

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

INSERT INTO Sales\_Order\_156

VALUES ('O19001', 'C00001', TO\_DATE('12-Jun-04', 'DD-MON-YY'), '', 'S08001', 'f', 'N', TO\_DATE('20-Jul-04', 'DD-MON-YY'), 'inprocess');

INSERT INTO Sales\_Order\_156 VALUES ('O19002', 'C00002', TO\_DATE('25-June-04', 'DD-Mon-YY'),'', 'S08002', 'p', 'N', TO\_DATE('27-June-04', 'DD-Mon-YY'), 'cancelled');

INSERT INTO Sales\_Order\_156 VALUES ('O46865', 'C00003', TO\_DATE('18-Feb-04', 'DD-Mon-YY'),'', 'S08003', 'f', 'Y', TO\_DATE('20-Feb-04', 'DD-Mon-YY'), 'fulfilled');

INSERT INTO Sales\_Order\_156 VALUES ('O19003','C00004', TO\_DATE('03-Apr-04', 'DD-Mon-YY'),'', 'S08003','f','y', TO\_DATE('07-Apr-04', 'DD-Mon-YY'), 'fulfilled');

INSERT INTO Sales\_Order\_156 VALUES ('O46866', 'C00005', TO\_DATE('20-May-04', 'DD-Mon-YY'),'', 'S08004', 'p', 'N', TO\_DATE('22-May-04', 'DD-Mon-YY'), 'cancelled');

INSERT INTO Sales\_Order\_156 VALUES ('O19008', 'C00006', TO\_DATE('24-May-04', 'DD-Mon-YY'),'', 'S08004', 'f', 'n', TO\_DATE('26-July-04', 'DD-Mon-YY'), 'fulfilled');

INSERT INTO Sales\_order\_details\_156 VALUES('O19001', 'P08001', 4, 4, 525);

INSERT INTO Sales\_order\_details\_156 VALUES('O19001', 'P08345', 2, 1, 8400);

INSERT INTO Sales\_order\_details\_156 VALUES('O19001', 'P06734', 2, 1, 5250);

INSERT INTO Sales\_order\_details\_156 VALUES('O19002', 'P07865', 10, 0, 525);

INSERT INTO Sales\_order\_details\_156 VALUES('O46865', 'P07868', 3, 3, 3150);

INSERT INTO Sales\_order\_details\_156 VALUES('O46865', 'P07885', 3, 1, 5250);

INSERT INTO Sales\_order\_details\_156 VALUES('O46865', 'P07885', 10, 10, 525);

INSERT INTO Sales\_order\_details\_156 VALUES('O46865', 'P07965', 4, 4, 1050);

INSERT INTO Sales\_order\_details\_156 VALUES('O19003', 'P07975', 2, 2, 1050);

INSERT INTO Sales\_order\_details\_156 VALUES('O19003', 'P08865', 1, 1, 12000);

INSERT INTO Sales\_order\_details\_156 VALUES('O46866', 'P07965', 1, 0, 8400);

INSERT INTO Sales\_order\_details\_156 VALUES('O46866', 'P07975', 1, 0, 1050);

INSERT INTO Sales\_order\_details\_156 VALUES('O19008', 'P08001', 10, 5, 525);

INSERT INTO Sales\_order\_details\_156 VALUES('O19008', 'P07975', 5, 3, 1050);