CREATE DATABASE prac\_6;

use prac\_6;

CREATE TABLE CLIENT\_MASTER (

Client\_No VARCHAR(6) PRIMARY KEY CONSTRAINT pkCM CHECK (Client\_No LIKE 'C%'),

Name VARCHAR(20) NOT NULL,

CITY VARCHAR(20) CHECK (CITY IN ('Delhi', 'Mumbai', 'Chennai')),

Pincode INT,

State VARCHAR(20),

BALDUE INT,

Email VARCHAR(30) UNIQUE

);

DROP TABLE CLIENT\_MASTER;

CREATE TABLE PRODUCT\_MASTER (

Product\_No VARCHAR(6) PRIMARY KEY CONSTRAINT pkPM CHECK (Product\_No LIKE 'P%'),

Name VARCHAR(20) NOT NULL,

UnitMeasure VARCHAR(10) NOT NULL,

QtyOnHand INT NOT NULL,

ReorderLevel INT NOT NULL,

SellPrice INT NOT NULL CHECK (SellPrice > 0),

CostPrice INT NOT NULL CHECK (CostPrice > 0)

);

CREATE TABLE SALESMAN\_MASTER (

Salesman\_No VARCHAR(6) PRIMARY KEY CONSTRAINT pkSM CHECK (Salesman\_No LIKE 'S%'),

Sal\_name VARCHAR(20) NOT NULL,

Address VARCHAR(40) NOT NULL,

City VARCHAR(20),

State VARCHAR(20),

Pincode INT,

Sal\_Amount INT NOT NULL CHECK (Sal\_Amount > 0),

Tgt\_to\_get INT NOT NULL CHECK (Tgt\_to\_get > 0),

Ytd\_Sales INT NOT NULL CHECK (Ytd\_Sales > 0),

Remarks VARCHAR(30)

);

desc SALESMAN\_MASTER2;

CREATE TABLE SALES\_ORDER (

Order\_No VARCHAR(6) PRIMARY KEY CONSTRAINT pkSO CHECK (Order\_No LIKE 'O%'),

Order\_Date DATE NOT NULL,

Client\_No VARCHAR(6),

Dely\_add VARCHAR(25),

Salesman\_No VARCHAR(6),

Dely\_type CHAR(1) DEFAULT 'F' CHECK (Dely\_type IN ('P', 'F')),

Billed\_yn CHAR(1) CHECK (Billed\_yn IN ('Y', 'N')),

Dely\_Date DATE,

Order\_Status VARCHAR(10) CHECK (Order\_Status IN ('In Process', 'Fulfilled', 'Canceled')),

CONSTRAINT fk\_client\_no FOREIGN KEY (Client\_No) REFERENCES CLIENT\_MASTER(Client\_No),

CONSTRAINT fk\_salesman\_no FOREIGN KEY (Salesman\_No) REFERENCES SALESMAN\_MASTER(Salesman\_No),

CHECK (Dely\_Date >= Order\_Date)

);

desc SALES\_ORDER;

CREATE TABLE SALES\_ORDER\_DETAILS (

Order\_No VARCHAR(6),

Product\_No VARCHAR(6),

Qty\_Order INT CHECK (Qty\_Order > 0),

Qty\_disp INT CHECK (Qty\_disp >= 0),

CONSTRAINT pk\_sales\_order\_details PRIMARY KEY (Order\_No, Product\_No),

CONSTRAINT fk\_order\_no FOREIGN KEY (Order\_No) REFERENCES SALES\_ORDER(Order\_No),

CONSTRAINT fk\_product\_no FOREIGN KEY (Product\_No) REFERENCES PRODUCT\_MASTER(Product\_No),

CHECK (Qty\_disp <= Qty\_Order)

);

desc SALES\_ORDER\_DETAILS;