--Create table for Client\_master

CREATE TABLE Client\_master (

client\_no varchar(6),

name varchar(20) NOT NULL,

address1 varchar(30),

address2 varchar(30),

city varchar(15),

state varchar(15),

pincode number(6),

bal\_due number(10,2),

Constraint client\_no\_pk Primary key(client\_no),

Constraint client\_no\_ck Check(client\_no like 'C%')

);

--Create table for product\_master

CREATE TABLE product\_master(

product\_no varchar(6),

description varchar(50) NOT NULL,

profit\_percent number(3,2) NOT NULL,

unit\_measure varchar(10) NOT NULL,

record\_lvl number(8) NOT NULL,

sell\_price number(8,2)NOT NULL,

cost\_price number(8,2) NOT NULL,

Constraint product\_no\_pk primary key(product\_no),

Constraint product\_no\_ck check(product\_no like 'P%'),

Constraint sell\_price\_ck check(sell\_price > 0 ),

Constraint cost\_price\_ck check(cost\_price > 0)

);

--create table salesman\_master

CREATE TABLE salesman\_master(

salesman\_no varchar(6),

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,

tgt\_to\_get number(6,2) NOT NULL,

ytd\_sales number(6,2) NOT NULL,

remarks varchar(60),

Constraint salesman\_no\_pk primary key(salesman\_no),

Constraint salesman\_no\_ck check(salesman\_no LIKE 'S%'),

Constraint sal\_amt\_ck check(sal\_amt > 0),

Constraint tgt\_to\_get\_ck check(tgt\_to\_get > 0)

);

--create table sales\_order

CREATE TABLE sales\_order(

s\_order\_no varchar(6),

s\_order\_date date,

client\_no varchar(6),

dely\_addr varchar(25),

salesman\_no varchar(6),

dely\_type char(1) default 'F',

billed\_yn char(1) default 'N',

dely\_date date,

order\_status varchar(10),

Constraint s\_order\_no\_pk primary key(s\_order\_no),

Constraint s\_order\_no\_ck check(s\_order\_no LIKE 'O%'),

Constraint client\_no\_fk Foreign key(client\_no) references Client\_master(client\_no),

Constraint salesman\_no\_fk Foreign key(salesman\_no) references salesman\_master(salesman\_no),

Constraint dely\_type\_ck check(dely\_type in('P','F')),

Constraint billed\_yn\_ck check(billed\_yn in ('Y','N')),

Constraint dely\_date\_ck check(dely\_date > s\_order\_date),

Constraint order\_status\_ck check(order\_status in ('InProgress','FullFilled','BackOrder','Canceled'))

);

--create table sales\_order\_details

CREATE TABLE sales\_order\_details(

s\_order\_no varchar(6),

product\_no varchar(6),

qty\_ordered number(8),

qty\_disp number(8),

product\_rate number(10,2),

Constraint s\_order\_no\_fk foreign key(s\_order\_no) references sales\_order(s\_order\_no),

Constraint product\_no\_fk foreign key(product\_no) references product\_master(product\_no)

);

--create table challan\_header

CREATE TABLE challan\_header(

challan\_no varchar(6),

s\_order\_no varchar(6),

challan\_date date NOT NULL,

billed\_yn char(1) default 'N',

Constraint challan\_no\_pk primary key(challan\_no),

Constraint challan\_no\_ck check(challan\_no LIKE 'CH%'),

Constraint s\_order\_noo\_fk foreign key(s\_order\_no) references sales\_order(s\_order\_no),

Constraint billed\_ynn\_cck check(billed\_yn in ('Y','N'))

);

--create table challan\_details

CREATE TABLE challan\_details(

challan\_no varchar(6),

product\_no varchar(6),

qty\_disp number(4,2) NOT NULL,

Constraint challan\_no\_product\_no\_pk primary key(challan\_no,product\_no),

Constraint challan\_noo\_fk foreign key(challan\_no) references challan\_header(challan\_no),

Constraint product\_noo\_fk foreign key(product\_no) references product\_master(product\_no)

);

--insert into client\_master table

desc Client\_master;

alter table Client\_master DROP(address1,address2);

desc Client\_master;

insert into Client\_master values('C00001','Ivan Bayross','Bombay','Maharashtra','400054',15000);

insert into Client\_master values('C00002','Vandana Saitwal','Madras','Tamil Nadu','780001',0);

insert into Client\_master values('C00003','Pramada Jaguste','Bombay','Maharashtra','400057',5000);

insert into Client\_master values('C00004','Basu Navindgi','Bombay','Maharashtra','400056',0);

insert into Client\_master values('C00005','Ravi Sreedharan','Delhi','Delhi','100001',2000);

insert into Client\_master values('C00006','Rukmini','Bombay','Maharashtra','400050',0);

select \* from Client\_master;

--insert into product\_master

alter table product\_master add qty\_on\_hand varchar(20);

desc product\_master;

insert into product\_master values('P00001','1.44 Floppies',5,'Piece',20,525,500,'100');

insert into product\_master values('P03453','Monitors',6,'Piece',3,12000,11280,'10');

insert into product\_master values('P06734','Mouse',5,'Piece',5,1050,1000,'20');

insert into product\_master values('P07865','1.22 Floppies',5,'Piece',20,525,500,'100');

insert into product\_master values('P07868','Keyboards',2,'Piece',3,3150,3050,'10');

insert into product\_master values('P07885','CD Drive',2.5,'Piece',3,5250,5100,'10');

insert into product\_master values('P07965','540 HDD',4,'Piece',3,8400,8000,'10');

insert into product\_master values('P07975','1.44 Drive',5,'Piece',3,1050,1000,'10');

insert into product\_master values('P08865','1.22 Drive',5,'Piece',3,1050,1000,'3');

select \* from product\_master;

--insert into salesman\_master table

desc salesman\_master;

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','Nairman','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');

select \* from salesman\_master;

--insert into sales\_order table

desc sales\_order;

alter table sales\_order drop column dely\_addr;

insert into sales\_order values('O19001','12-Jan-1996','C00001','S00001','F','N','20-Jan-1996','InProgress');

insert into sales\_order values('O19002','25-Jan-1996','C00002','S00002','P','N','27-Jan-1996','Canceled');

insert into sales\_order values('O46865','18-Feb-1996','C00003','S00003','F','Y','20-Feb-1996','FullFilled');

insert into sales\_order values('O19003','03-Apr-1996','C00001','S00001','F','Y','07-apr-1996','FullFilled');

insert into sales\_order values('O46866','20-May-1996','C00004','S00002','P','N','22-May-1996','Canceled');

insert into sales\_order values('O10008','24-May-1996','C00005','S00004','F','N','26-May-1996','InProgress');

select \* from sales\_order;

--insert into sales\_order\_details

desc sales\_order\_details;

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('O19003','P00001',10,4,525);

insert into sales\_order\_details values('O19003','P07975',5,3,1050);

select \* from sales\_order\_details;

--insert into challan\_header

desc challan\_header;

insert into challan\_header values('CH9001','O19001','12-Dec-1995','Y');

insert into challan\_header values('CH6865','O46865','12-Nov-1995','Y');

insert into challan\_header values('CH3965','O10008','12-Oct-1995','Y');

select \* from challan\_header;

--insert into challan details

desc challan\_details;

insert into challan\_details values('CH9001','P00001',4);

insert into challan\_details values('CH9001','P07965',1);

insert into challan\_details values('CH9001','P07885',1);

insert into challan\_details values('CH6865','P07868',3);

insert into challan\_details values('CH6865','P03453',4);

insert into challan\_details values('CH6865','P00001',10);

insert into challan\_details values('CH3965','P00001',5);

insert into challan\_details values('CH3965','P07975',2);

select \* from challan\_details;