create database prac\_13;

use prac\_13;

CREATE TABLE SALESMAN

(

SALESMAN\_ID INT,

NAME VARCHAR(15),

CITY VARCHAR(15),

COMMISSION FLOAT

);

DROP TABLE SALESMAN;

CREATE TABLE CUSTOMER

(

CUST\_ID INT,

CUST\_NAME VARCHAR(20),

CITY VARCHAR(15),

GRADE INT,

SALESMAN\_ID INT

);

CREATE TABLE ORDERS

(

ORD\_NO INT,

PURCHASE\_AMT INT,

ORDER\_DATE DATE,

CUST\_ID INT,

SALESMAN\_ID INT

);

INSERT INTO SALESMAN VALUES(5001,'James Hoog','New York',0.15),

(5002,'Nail Knite','Paris',0.13),

(5005,'Pit Alex','London',0.11),

(5006,'Mc Lyon','Paris',0.14),

(5007,'Paul Adam','Rome',0.13),

(5003,'Lauson Hen','San Jose',0.12);

INSERT INTO CUSTOMER VALUES(3002,'Nick Rimando','New York',100,5001),

(3007,'Brad Davis','New York',200,5001),

(3005,'Graham Zusi','California',200,5002),

(3008,'Julian Green','London',300,5002),

(3004,'Fabian Johnson','Paris',300,5006),

(3009,'Geoff Cameron','Berlin',100,5003),

(3003,'Jozy Altidor','Moscow',200,5007),

(3001,'Brad Guzan','London',NULL,5005);

INSERT INTO ORDERS VALUES

(70001,150.5,'2012-10-05',3005,5002),

(70009,270.65,'2012-09-10',3001,5005),

(70002,65.26,'2012-10-05',3002,5001),

(70004,110.5,'2012-08-17',3009,5003),

(70007,948.5,'2012-09-10',3005,5002),

(70005,2400.6,'2012-07-27',3007,5001),

(70008,5760,'2012-09-10',3002,5001),

(70010,1983.43,'2012-10-10',3004,5006),

(70003,2480.4,'2012-10-10',3009,5003),

(70012,250.45,'2012-06-27',3008,5002),

(70011,75.29,'2012-08-17',3003,5007),

(70013,3045.6,'2012-04-25',3002,5001);

-- 1

CREATE VIEW View1 AS

SELECT SALESMAN.\*

FROM SALESMAN

WHERE SALESMAN\_ID IN (

SELECT SALESMAN\_ID

FROM CUSTOMER

GROUP BY SALESMAN\_ID

HAVING COUNT(CUST\_ID) > 1

);

SELECT \* FROM View1;

-- 2

CREATE VIEW View2 AS

SELECT ORDER\_DATE, COUNT(ORD\_NO) AS NUMBER\_OF\_ORDERS

FROM ORDERS

GROUP BY ORDER\_DATE;

select \* from View2;

-- 3

CREATE VIEW View3 AS

SELECT SALESMAN\_ID, ORD\_NO, CUST\_ID

FROM ORDERS

WHERE ORDER\_DATE IN ('2012-08-17', '2012-10-10');

SELECT \* FROM View3;

-- 4

CREATE INDEX custcity ON CUSTOMER (CITY);

SELECT \* FROM ALL\_VIEWS;