

```
CREATE TABLE SALESMAN (  
SALESMAN_ID INT(5) PRIMARY KEY,  
NAME VARCHAR(10) NOT NULL,  
CITY VARCHAR(15) NOT NULL,  
COMMISSION INT(5));
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CREATE TABLE CUSTOMER (  
CUSTOMER_ID INT(5) PRIMARY KEY,  
CUST_NAME VARCHAR(10) NOT NULL,  
CITY VARCHAR(10) NOT NULL,  
GRADE INT(5) NOT NULL,  
SALESMAN_ID INT(5),  
FOREIGN KEY (SALESMAN_ID) REFERENCES  
SALESMAN(SALESMAN_ID) ON DELETE SET NULL);
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```
CREATE TABLE ORDERS (  
ORD_NO INT(5) PRIMARY KEY,  
PURCHASE_AMT INTEGER NOT NULL,  
ORD_DATE DATE NOT NULL,  
CUSTOMER_ID INT(5) ,  
SALESMAN_ID INT(5) ,  
FOREIGN KEY (CUSTOMER_ID) REFERENCES CUSTOMER(CUSTOMER_ID),  
FOREIGN KEY (SALESMAN_ID) REFERENCES SALESMAN(SALESMAN_ID) ON  
DELETE CASCADE);
```

```
INSERT INTO SALESMAN VALUES (1000, 'HRITHIK' , 'BENGALURU', 100),  
(2000, 'OJESVI', 'TUMKUR', 60), (3000, 'NAVNEET', 'MUMBAI', 80),  
(4000, 'OJESVI', 'BENGALURU', 80), (5000, 'BROOMI', 'MYSORE', 120);
```

```
INSERT INTO CUSTOMER VALUES (11, 'INFOSYS', 'BENGALURU' , 5, 1000),  
(22, 'TCS', 'BENGALURU', 4, 2000), (33, 'WIPRO', 'MYSORE', 7, 1000),  
(44, 'TCS', 'MYSORE', 6, 2000), (55, 'ORACLE', 'TUMKUR', 3, 3000);
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INSERT INTO ORDERS VALUES (1, 400000, '12-04-22', 11, 1000);
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INSERT INTO ORDERS VALUES (2, 600000, '12-04-22', 11, 2000);
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INSERT INTO ORDERS VALUES (3, 800000, '15-04-22', 22, 1000);
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Queries:

1.

SELECT COUNT(CUSTOMER_ID) FROM CUSTOMER WHERE GRADE> (SELECT AVG(GRADE)FROM CUSTOMER WHERE CITY LIKE '%BENGALURU');

2.

SELECT NAME, COUNT(CUSTOMER_ID) FROM SALESMAN S, CUSTOMER C
WHERE S.SALESMAN_ID=C.SALESMAN_ID GROUP BY NAME HAVING
COUNT(CUSTOMER_ID)>1 ;

3.

(SELECT NAME FROM SALESMAN S, CUSTOMER C WHERE
S.SALESMAN_ID=C.SALESMAN_ID AND S.CITY = C. CITY) UNION (SELECT NAME
FROM SALESMAN WHERE SALESMAN_ID NOT IN (SELECT S1.SALESMAN_ID
FROM SALESMAN S1, CUSTOMER C1 WHERE S1.SALESMAN_ID=C1.SALESMAN_ID
AND S1.CITY=C1.CITY));

4.

CREATE VIEW SALES_HIGHERORDER AS SELECT SALESMAN_ID,
PURCHASE_AMT FROM ORDERS WHERE PURCHASE_AMT= (SELECT
MAX(O.PURCHASE_AMT) FROM ORDERS O WHERE O.ORD_DATE= ' 12-04-22');

SELECT * FROM SALES_HIGHERORDER ;

5.

DELETE FROM SALESMAN WHERE SALESMAN_ID= 1000;