CREATE TABLE SALESMAN (SALESMAN\_ID VARCHAR (20), NAME VARCHAR (20), CITY VARCHAR (20), COMMISSION VARCHAR (20), PRIMARY KEY (SALESMAN\_ID));

CREATE TABLE CUSTOMER (CUSTOMER\_ID VARCHAR (20), CUST\_NAME VARCHAR (20),CITY VARCHAR (20), GRADE INT, SALESMAN\_ID VARCHAR (20), PRIMARY KEY (CUSTOMER\_ID), FOREIGN KEY (SALESMAN\_ID) REFERENCES SALESMAN (SALESMAN\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

CREATE TABLE ORDERS (ORD\_NO INT, PURCHASE\_AMT INT, ORD\_DATE DATE, CUSTOMER\_ID VARCHAR (20), SALESMAN\_ID VARCHAR (20), PRIMARY KEY (ORD\_NO), FOREIGN KEY (CUSTOMER\_ID) REFERENCES CUSTOMER (CUSTOMER\_ID) ON DELETE CASCADE ON UPDATE CASCADE, FOREIGN KEY (SALESMAN\_ID) REFERENCES SALESMAN (SALESMAN\_ID) ON DELETE CASCADE ON UPDATE CASCADE);

INSERT INTO SALESMAN VALUES ('1000', 'SALM1', 'BENGALURU', '25%');

INSERT INTO SALESMAN VALUES ('2000', 'SALM2', 'BENGALURU', '20%');

INSERT INTO SALESMAN VALUES ('3000', 'SALM3', 'MYSORE', '15%');

INSERT INTO SALESMAN VALUES ('4000', 'SALM4', 'DELHI', '30%');

INSERT INTO SALESMAN VALUES ('5000', 'SALM5', 'MANGALURU', '15%');

INSERT INTO CUSTOMER VALUES ('C1', 'SACHETH', 'BENGALURU', 100, '1000');

INSERT INTO CUSTOMER VALUES ('C2', 'SAKSHATH', 'MANGALURU', 300, '1000');

INSERT INTO CUSTOMER VALUES ('C3', 'PRADEEP', 'CHENNAI', 400, '2000);

INSERT INTO CUSTOMER VALUES ('C4', 'VINEETH', 'BENGALURU', 200, '2000');

INSERT INTO CUSTOMER VALUES ('C5', 'PRATEETH', 'BENGALURU', 400, '3000');

INSERT INTO ORDERS VALUES (20, 4000, '2022-5-20', 'C1', '1000');

INSERT INTO ORDERS VALUES (21, 400, '2022-3-22', 'C1', '1000');

INSERT INTO ORDERS VALUES (22, 1000, '2022-3-22', 'C4', '2000');

INSERT INTO ORDERS VALUES (23, 2500, '2022-7-25', 'C5', '3000');

INSERT INTO ORDERS VALUES (24, 500, '2022-6-25', 'C3', '2000');

SELECT GRADE, COUNT(CUSTOMER\_ID)

FROM CUSTOMER

GROUP BY GRADE

HAVING GRADE > (SELECT AVG(GRADE)

FROM CUSTOMER

WHERE CITY='BENGALURU');

SELECT SALESMAN\_ID, NAME

FROM SALESMAN A

WHERE 1 < (SELECT COUNT(\*)

FROM CUSTOMER

WHERE SALESMAN\_ID=A.SALESMAN\_ID);

(SELECT S.SALESMAN\_ID,S.NAME,C.CUST\_NAME

FROM SALESMAN S,CUSTOMER C

WHERE S.CITY=C.CITY AND S.SALESMAN\_ID=C.SALESMAN\_ID)

UNION

(SELECT S1.SALESMAN\_ID, S1.NAME, 'NO CUSTOMER'

FROM SALESMAN S1, CUSTOMER C1

WHERE S1.SALESMAN\_ID NOT IN (SELECT S2.SALESMAN\_ID

FROM SALESMAN S2, CUSTOMER C2

WHERE S2.CITY=C2.CITY AND S2.SALESMAN\_ID=C2.SALESMAN\_ID))

ORDER BY SALESMAN\_ID;

CREATE VIEW H\_SALESMAN AS

SELECT O.ORD\_DATE, S.SALESMAN\_ID, S.NAME, O.PURCHASE\_AMT

FROM SALESMAN S, ORDERS O

WHERE S.SALESMAN\_ID = O.SALESMAN\_ID

AND O.PURCHASE\_AMT = (SELECT MAX(PURCHASE\_AMT)

FROM ORDERS);