

```
CREATE TABLE SALESMAN (SALESMAN_ID INT , SALESMANNAME VARCHAR(20), CITY VARCHAR(20),  
COMMISSION DECIMAL,PRIMARY KEY(SALESMAN_ID));
```

```
CREATE TABLE CUSTOMER (CUSTOMER_ID INT ,CUSTOMER_NAME VARCHAR(20), CITY VARCHAR(20),  
GRADE INT, SALESMAN_ID INT,PRIMARY KEY(CUSTOMER_ID ),
```

```
FOREIGN KEY(SALESMAN_ID) REFERENCES SALESMAN(SALESMAN_ID));
```

```
CREATE TABLE ORDERS (ORDER_NO INT, PURCH_AMT DECIMAL(18,6), ORDER_DATE DATE,  
CUSTOMER_ID INT,SALESMAN_ID INT,PRIMARY KEY(ORDER_NO),
```

```
FOREIGN KEY(CUSTOMER_ID) REFERENCES CUSTOMER(CUSTOMER_ID),FOREIGN KEY(SALESMAN_ID)  
REFERENCES SALESMAN(SALESMAN_ID));
```

```
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),
```

```
        (5003, 'LAUSON HEN',' ' , 0.12),
```

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

```
select * from SALESMAN ;
```

```
ALTER TABLE SALESMAN
```

```
MODIFY COMMISSION DECIMAL(18,5);
```

```
UPDATE SALESMAN SET COMMISSION =0.15 WHERE SALESMAN_ID= 5001;
```

```
UPDATE SALESMAN SET COMMISSION =0.13 WHERE SALESMAN_ID= 5002;
```

```
UPDATE SALESMAN SET COMMISSION =0.11 WHERE SALESMAN_ID= 5005;
```

```
UPDATE SALESMAN SET COMMISSION =0.14 WHERE SALESMAN_ID= 5006;
```

```
UPDATE SALESMAN SET COMMISSION =0.12 WHERE SALESMAN_ID= 5003;
```

```
UPDATE SALESMAN SET COMMISSION =0.13 WHERE SALESMAN_ID= 5007;
```

```
INSERT INTO SALESMAN (COMMISSION) VALUES (0.15),(0.13),(0.11),(0.14),(0.12),(0.13);
```

```
INSERT INTO CUSTOMER VALUES(3002, 'NICK RIMANDO', 'NEW YORK', 100,5001),
```

```
        (3005 , 'GRAHAM ZUSI', 'CALIFORNIA',200, 5002),
```

```
        (3001, 'BRAD GUZAN', 'LONDON', NULL,NULL),
```

```

        (3004, 'FABIAN JOHNS', 'PARIS', 300,5006),
        (3007, 'BRAD DAVIS','NEW YORK ', 200, 5001),
        (3009, 'GEOFF CAMERO','BERLIN',100,NULL),
(3008, 'JULIAN GREEN','LONDON',300,5002),
(3003, 'JOZY ALTIDOR','MONCOW',200,5007);

SELECT * FROM CUSTOMER ;

ALTER TABLE ORDERS MODIFY PURCH_AMT DECIMAL(18,5) ;

INSERT INTO ORDERS VALUES(70001, 150.5, '2016-10-05', 3005,5002),
        (70009, 270.65, '2016-09-10',3001, NULL),
        (70002, 65.26, '2016-10-05', 3002,5001),
        (70004, 110.5, '2016-08-17',3009, NULL),
        (70007, 948.5, '2016-09-10',3005, 5002),
(70005, 2400.5, '2016-07-27',3007, 5001),
        (70008, 5760, '2016-09-10',3002, 5001),
        (70010, 1983.43, '2016-10-10',3004, 5006),
        (70003, 2480.4, '2016-10-10',3009, NULL),
        (70012, 250.45, '2016-06-27',3008, 5002),
        (70011, 75.29, '2016-08-17',3003, 5007);

SELECT * FROM ORDERS ; -- UPDATE table_name SET column1 = value1, column2 = value2 WHERE
condition;

UPDATE ORDERS SET CUSTOMER_ID = 3002 WHERE PURCH_AMT=5760;

-- ,SALESMAN_ID = 5001

        DROP TABLE ORDERS;

-- 1

SELECT SALESMANNAME,COMMISSION FROM SALESMAN;

-- 2

SELECT DISTINCT SALESMAN_ID FROM ORDERS;

-- 3

```

```
SELECT SALESMANNAME, CITY FROM SALESMAN WHERE CITY= 'PARIS';
```

```
-- 4
```

```
SELECT * FROM CUSTOMER WHERE GRADE=200;
```

```
-- 5
```

```
SELECT ORDER_NO,ORDER_DATE,PURCH_AMT FROM ORDERS WHERE SALESMAN_ID = 5001;
```

```
-- 6
```

```
SELECT * FROM CUSTOMER WHERE CITY = 'NEW YORK' OR GRADE <= 100;
```

```
-- 7
```

```
SELECT * FROM SALESMAN WHERE COMMISSION IN(0.12,0.14);
```

```
-- 8
```

```
SELECT * FROM CUSTOMER WHERE CUSTOMER_NAME LIKE '%N';
```

```
-- 9
```

```
SELECT * FROM SALESMAN WHERE SALESMANNAME LIKE 'N__L%';
```

```
-- 10
```

```
SELECT * FROM CUSTOMER WHERE GRADE IS NULL;
```

```
-- 11
```

```
SELECT SUM(PURCH_AMT) AS TOTAL_PURCHASE_AMOUNT FROM ORDERS ;
```

```
-- 12
```

```
SELECT MAX(GRADE) ,CITY FROM CUSTOMER WHERE GRADE <
```

```
(SELECT MAX(GRADE) FROM CUSTOMER WHERE GRADE <(SELECT MAX(GRADE) FROM  
CUSTOMER))GROUP BY CITY;
```

```
SELECT *FROM CUSTOMER WHERE GRADE = (SELECT DISTINCT GRADE
```

```
FROM CUSTOMER
```

```
ORDER BY GRADE DESC LIMIT 1 OFFSET 2
```

```
)
```

```
LIMIT 1;
```

-- 13

```
SELECT CUSTOMER_ID , MIN(PURCH_AMT)FROM ORDERS WHERE PURCH_AMT>
(SELECT MIN(PURCH_AMT) FROM ORDERS) GROUP BY CUSTOMER_ID ;
```

-- 14

```
SELECT MAX(PURCH_AMT),CUSTOMER_ID, ORDER_DATE FROM ORDERS WHERE ORDER_DATE='2016-
10-10' GROUP BY CUSTOMER_ID;
```

```
SELECT OR1.CUSTOMER_ID, OR1.ORDER_DATE, MAX(OR1.PURCH_AMT) FROM ORDERS OR1
INNER JOIN
ORDERS OR2 ON OR1.CUSTOMER_ID = OR2.CUSTOMER_ID
GROUP BY OR1.CUSTOMER_ID , OR1.ORDER_DATE ORDER BY CUSTOMER_ID ASC;
```

-- 15

```
SELECT MAX(PURCH_AMT) ,CUSTOMER_ID, ORDER_DATE FROM ORDERS WHERE PURCH_AMT>2000
AND ORDER_DATE='2016-10-10' GROUP BY CUSTOMER_ID;
```

```
SELECT OR1.CUSTOMER_ID, OR1.ORDER_DATE, MAX(OR1.PURCH_AMT) FROM ORDERS OR1
INNER JOIN
ORDERS OR2 ON OR1.CUSTOMER_ID = OR2.CUSTOMER_ID WHERE OR1.PURCH_AMT >2000
GROUP BY OR1.CUSTOMER_ID , OR1.ORDER_DATE ;
```