**SQL\_DAY\_2\_ASSIGNMENTS**

CREATE TABLE ORDER\_TABLE(

CUSTOMER\_ID INT,

CUST\_NAME VARCHAR(100),

CITY VARCHAR(50),

SATISFACTION\_GRADE INT,

SALESMAN\_ID INT,

ORD\_NO INT,

PURCH\_AMT NUMBER(10,2),

ORD\_DATE DATE);

INSERT INTO ORDER\_TABLE VALUES (101,'Nick','New York',100,2344,5003,546.6,TO\_DATE('2012-11-11','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (102,'Brad','Paris',100,2346,5002,7864.7,TO\_DATE('2021-11-30','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (103,'James','California',200,2349,5005,2344.56,TO\_DATE('2021-11-23','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (104,'Thomas','New York',300,2333,5007,233.4,TO\_DATE('2021-11-02','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (105,'Martha','London',200,2323,5009,129.8,TO\_DATE('2021-11-23','YYYY-MM-DD'));

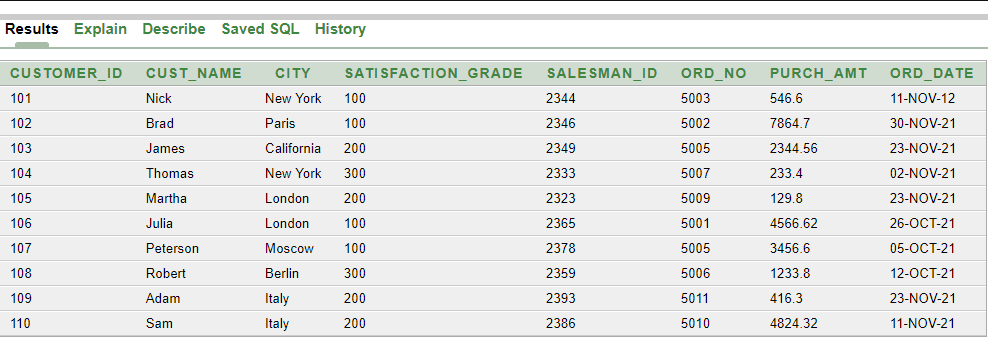
INSERT INTO ORDER\_TABLE VALUES (106,'Julia','London',100,2365,5001,4566.62,TO\_DATE('2021-10-26','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (107,'Peterson','Moscow',100,2378,5005,3456.6,TO\_DATE('2021-10-05','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (108,'Robert','Berlin',300,2359,5006,1233.8,TO\_DATE('2021-10-12','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (109,'Adam','Italy',200,2393,5011,416.3,TO\_DATE('2021-11-23','YYYY-MM-DD'));

INSERT INTO ORDER\_TABLE VALUES (110,'Sam','Italy',200,2386,5010,4824.32,TO\_DATE('2021-11-11','YYYY-MM-DD'));

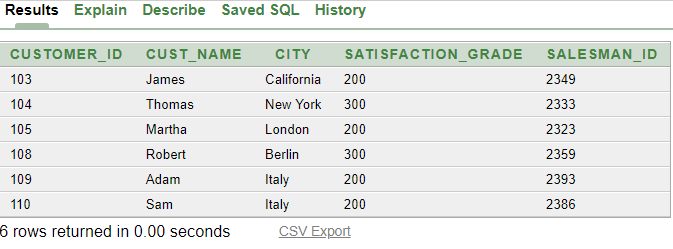


Q1.

SELECT CUSTOMER\_ID, CUST\_NAME, CITY, SATISFACTION\_GRADE,SALESMAN\_ID

FROM ORDER\_TABLE

WHERE SATISFACTION\_GRADE > 100;



Q2.

SELECT CUSTOMER\_ID, CUST\_NAME, CITY, SATISFACTION\_GRADE,SALESMAN\_ID

FROM ORDER\_TABLE

WHERE SATISFACTION\_GRADE > 100 AND CITY = 'New York' ;

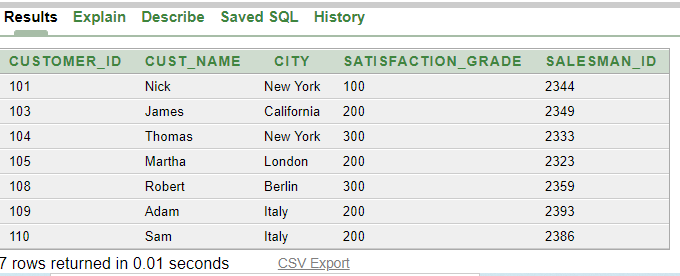


Q3.

SELECT CUSTOMER\_ID, CUST\_NAME, CITY, SATISFACTION\_GRADE,SALESMAN\_ID

FROM ORDER\_TABLE

WHERE SATISFACTION\_GRADE > 100 OR CITY = 'New York' ;



Q4.

SELECT CUSTOMER\_ID, CUST\_NAME, CITY, SATISFACTION\_GRADE,SALESMAN\_ID

FROM ORDER\_TABLE

WHERE SATISFACTION\_GRADE <= 100 AND CITY <> 'New York';

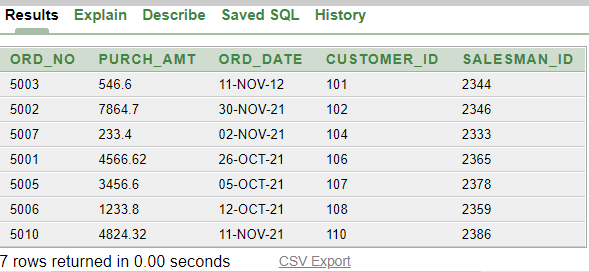


Q5.

SELECT ORD\_NO, PURCH\_AMT,ORD\_DATE,CUSTOMER\_ID,SALESMAN\_ID

FROM ORDER\_TABLE

WHERE ORD\_DATE != TO\_DATE('2021-11-23','YYYY-MM-DD') AND (SALESMAN\_ID <= 5007 OR PURCH\_AMT <= 1000);



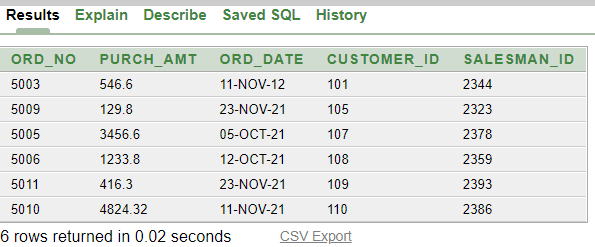
Q6.

SELECT ORD\_NO, PURCH\_AMT,ORD\_DATE,CUSTOMER\_ID,SALESMAN\_ID

FROM ORDER\_TABLE

WHERE PURCH\_AMT < 200

OR NOT(ORD\_DATE >= TO\_DATE('2021-10-10','YYYY-MM-DD') AND CUSTOMER\_ID < 107);

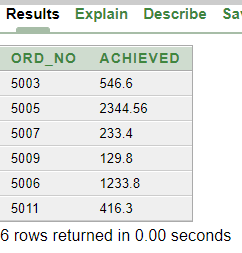


Q7.

SELECT ORD\_NO,PURCH\_AMT AS "ACHIEVED"

FROM ORDER\_TABLE

WHERE PURCH\_AMT< 5000\*0.5;



Q8.

SELECT CUSTOMER\_ID,CUST\_NAME

FROM ORDER\_TABLE

ORDER BY ORD\_NO,PURCH\_AMT DESC;

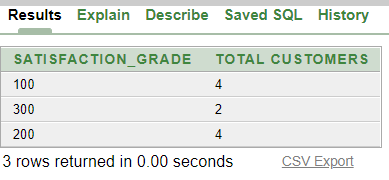


Q9.

SELECT SATISFACTION\_GRADE,COUNT(CUSTOMER\_ID) AS "TOTAL CUSTOMERS"

FROM ORDER\_TABLE

GROUP BY SATISFACTION\_GRADE;



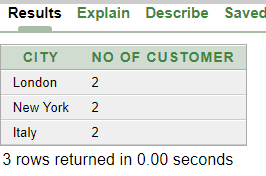
Q10.

SELECT CITY, COUNT(1) AS "NO OF CUSTOMER"

FROM ORDER\_TABLE

GROUP BY CITY

HAVING COUNT(1)>1;



Q11.

---->(MIN\_PURCH)

SELECT A.CUSTOMER\_ID,A.CUST\_NAME AS "MAX PURCH CUST NAME",A.SATISFACTION\_GRADE

FROM ORDER\_TABLE A

JOIN

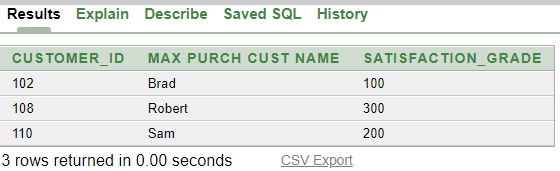
(SELECT MAX(PURCH\_AMT) AS "MAXP",SATISFACTION\_GRADE

FROM ORDER\_TABLE

GROUP BY SATISFACTION\_GRADE) B

ON A.SATISFACTION\_GRADE = B.SATISFACTION\_GRADE

WHERE A.PURCH\_AMT = B.MAXP;



----->(MIN\_PURCH)

SELECT A.CUSTOMER\_ID,A.CUST\_NAME AS "MIN PURCH CUST NAME",A.SATISFACTION\_GRADE

FROM ORDER\_TABLE A

JOIN

(SELECT MIN(PURCH\_AMT) AS "MINP",SATISFACTION\_GRADE

FROM ORDER\_TABLE

GROUP BY SATISFACTION\_GRADE) B

ON A.SATISFACTION\_GRADE = B.SATISFACTION\_GRADE

WHERE A.PURCH\_AMT = B.MINP;

