SQL TEST

Question 1:

Query: SELECT customer_csv.cust_name AS "Customer",

customer_csv.grade AS "Grade",orders.ord_no AS "Order No."

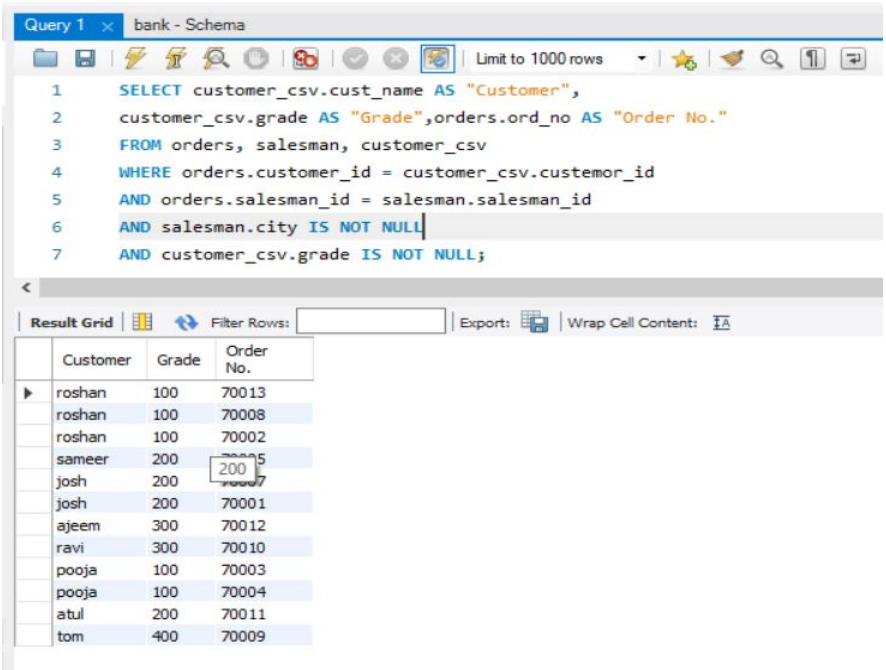
FROM orders, salesman, customer_csv

WHERE orders.customer_id = customer_csv.custemor_id

AND orders.salesman_id = salesman.salesman_id

AND salesman.city IS NOT NULL

AND customer_csv.grade IS NOT NULL;

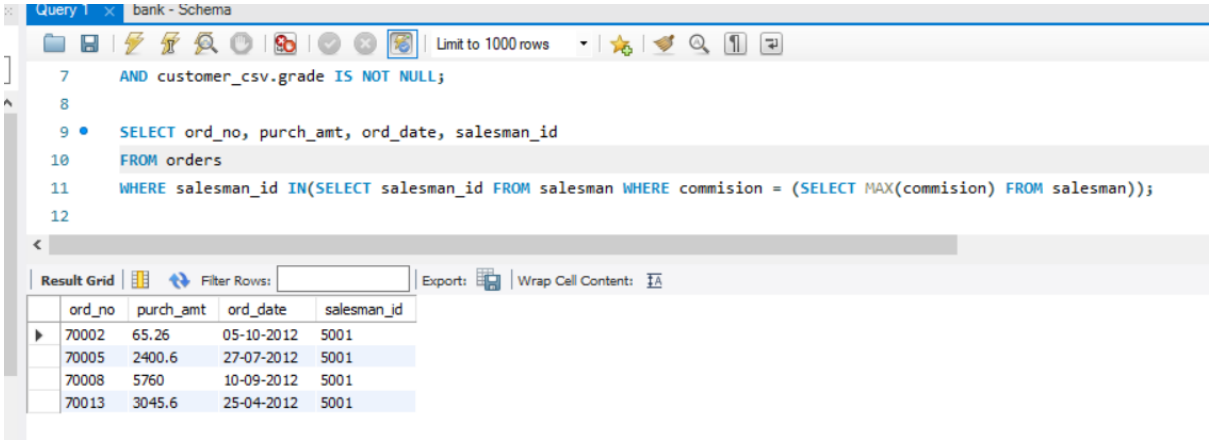


Question 2:

Query: SELECT ord_no, purch_amt, ord_date, salesman_id

FROM orders

WHERE salesman_id IN(SELECT salesman_id FROM salesman WHERE commision = (SELECT MAX(commision) FROM salesman));



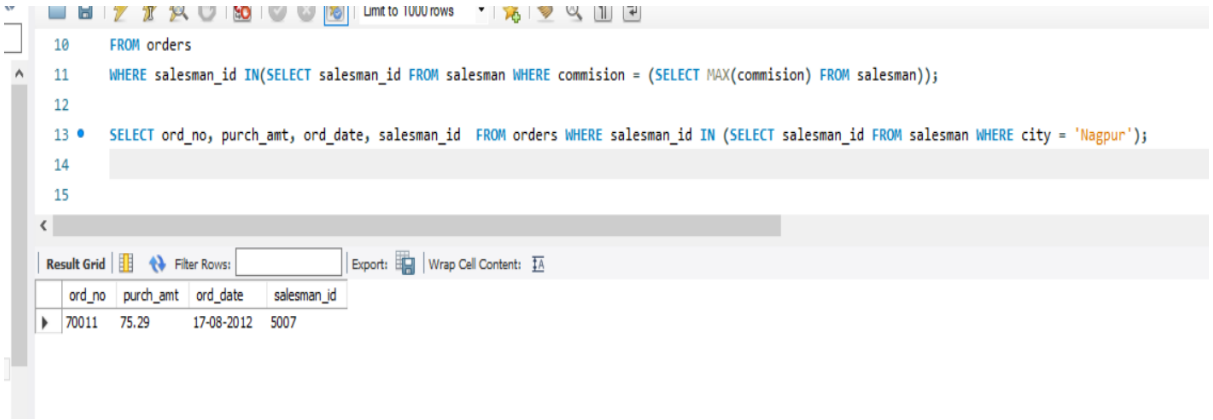
Question 3

Query: SELECT ord_no, purch_amt, ord_date, salesman_id

FROM orders

WHERE salesman_id IN (SELECT salesman_id FROM salesman

WHERE city = 'Nagpur');

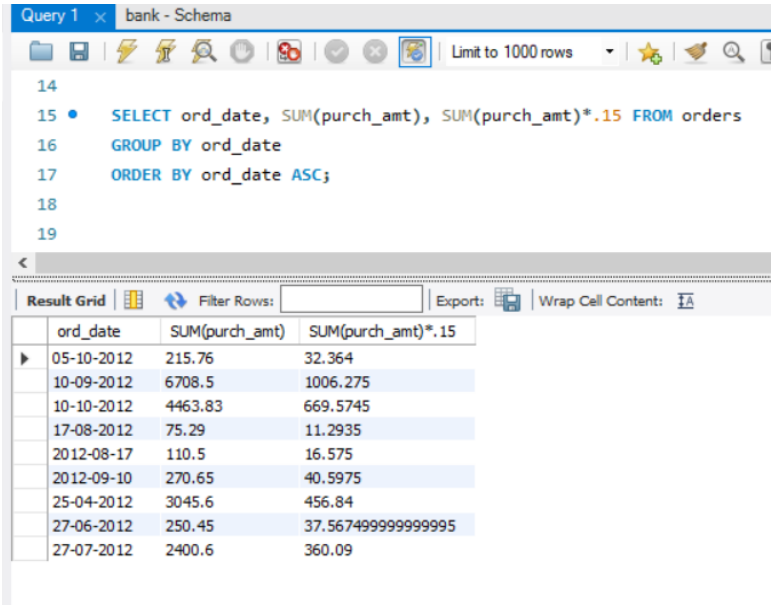


Question 4

Query: SELECT ord_date, SUM(purch_amt), SUM(purch_amt)*.15 FROM orders

GROUP BY ord_date

ORDER BY ord_date ASC;

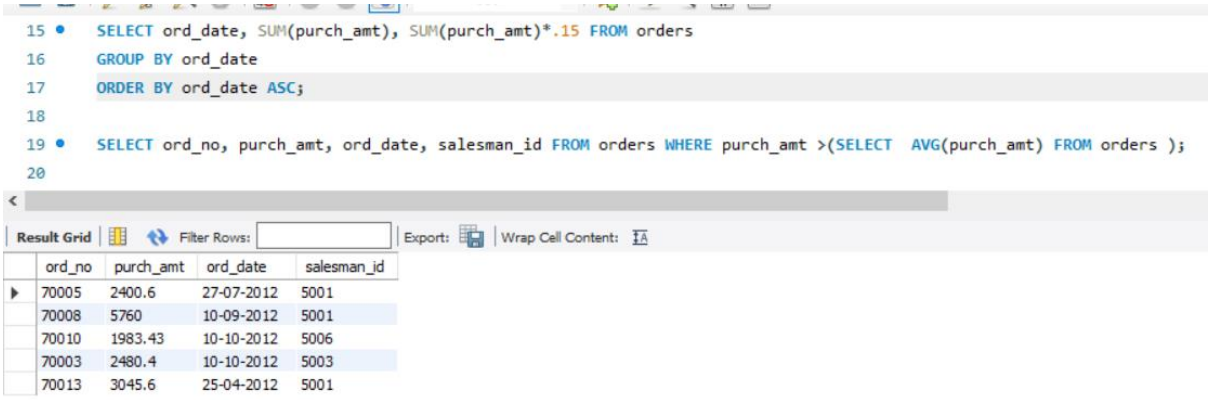


Question 5

Query: SELECT ord_no, purch_amt, ord_date, salesman_id

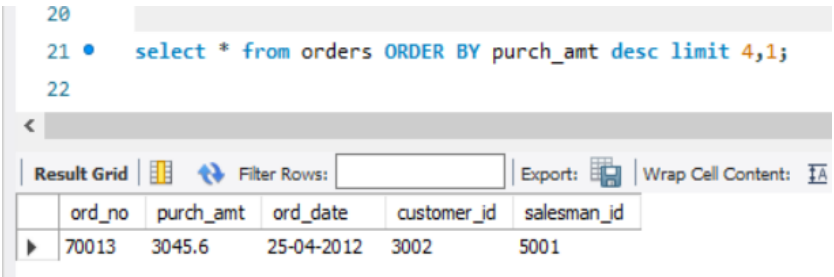
FROM orders

WHERE purch_amt >(SELECT AVG(purch_amt) FROM orders);



Question 6

Query: select * from orders ORDER BY purch_amt desc limit 4,1;



Question 7

An entity is an easily recognizable living or non-living real world objects.

Eg: Student,Customer,etc..

A relationship is an association between two entities.

Eg: Acustomer buys a product.

Question 8

Query: Select customer_id , ba.account_number,

Case when ifnull(balance_amount,0) = 0 then Transaction_amount else balance_amount end as balance_amount

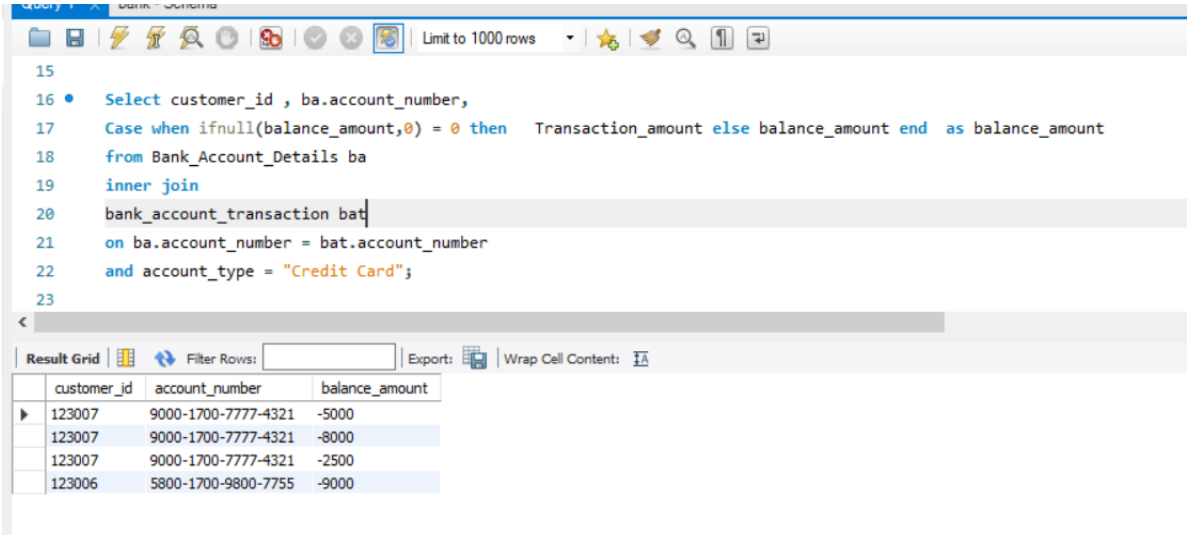
from Bank_Account_Details ba

inner join

bank_account_transaction bat

on ba.account_number = bat.account_number

and account_type = "Credit Card";



Question 9

Query: Select ba.Account_Number, Balance_amount, Transaction_amount, Transaction_Date

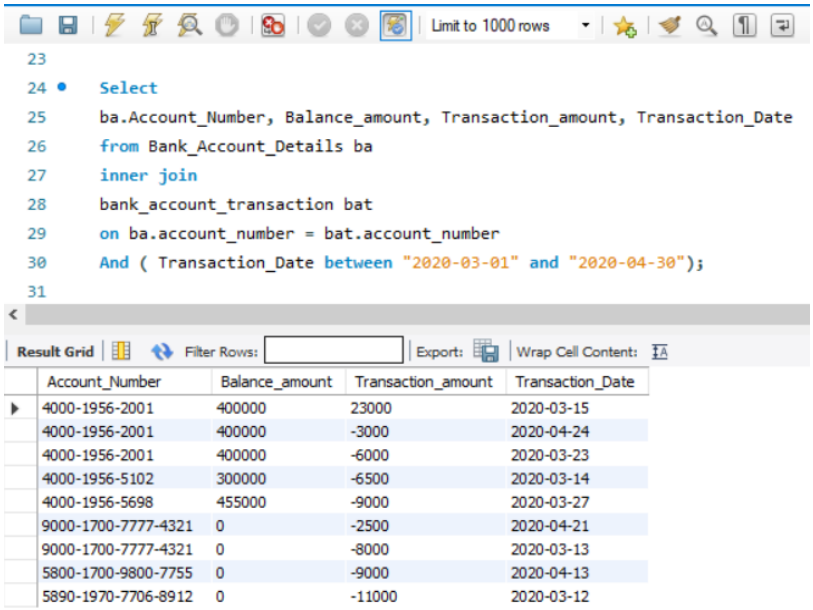
from Bank_Account_Details ba

inner join

bank_account_transaction bat

on ba.account_number = bat.account_number

And (Transaction_Date between "2020-03-01" and "2020-04-30");



```
Limit to 1000 rows

23
24 •  Select
25    ba.Account_Number, Balance_amount, Transaction_amount, Transaction_Date
26    from Bank_Account_Details ba
27    inner join
28    bank_account_transaction bat
29    on ba.account_number = bat.account_number
30    And ( Transaction_Date between "2020-03-01" and "2020-04-30");
31
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Account_Number	Balance_amount	Transaction_amount	Transaction_Date
4000-1956-2001	400000	23000	2020-03-15
4000-1956-2001	400000	-3000	2020-04-24
4000-1956-2001	400000	-6000	2020-03-23
4000-1956-5102	300000	-6500	2020-03-14
4000-1956-5698	455000	-9000	2020-03-27
9000-1700-7777-4321	0	-2500	2020-04-21
9000-1700-7777-4321	0	-8000	2020-03-13
5800-1700-9800-7755	0	-9000	2020-04-13
5890-1970-7706-8912	0	-11000	2020-03-12

Question 10

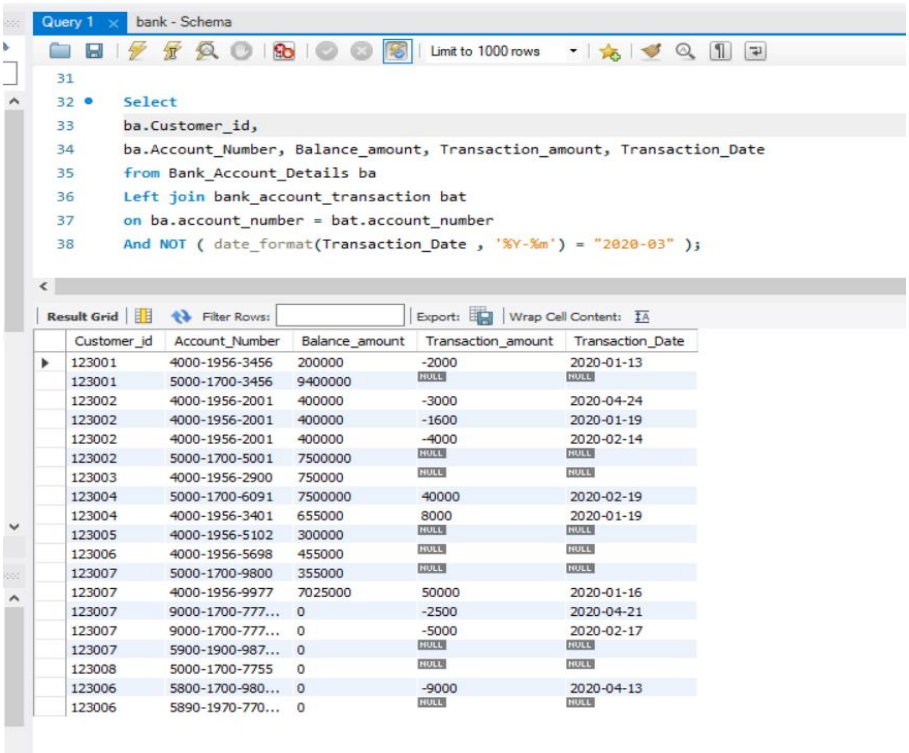
Query: Select ba.Customer_id,

ba.Account_Number, Balance_amount, Transaction_amount, Transaction_Date

from Bank_Account_Details ba Left join bank_account_transaction bat

on ba.account_number = bat.account_number

And NOT (date_format(Transaction_Date , '%Y-%m') = "2020-03");



Query 1 | bank - Schema

```
Limit to 1000 rows

31
32 •  Select
33    ba.Customer_id,
34    ba.Account_Number, Balance_amount, Transaction_amount, Transaction_Date
35    from Bank_Account_Details ba
36    Left join bank_account_transaction bat
37    on ba.account_number = bat.account_number
38    And NOT ( date_format(Transaction_Date , '%Y-%m') = "2020-03" );
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Customer_id	Account_Number	Balance_amount	Transaction_amount	Transaction_Date
123001	4000-1956-3456	200000	-2000	2020-01-13
123001	5000-1700-3456	9400000	NULL	NULL
123002	4000-1956-2001	400000	-3000	2020-04-24
123002	4000-1956-2001	400000	-1600	2020-01-19
123002	4000-1956-2001	400000	-4000	2020-02-14
123002	5000-1700-5001	7500000	NULL	NULL
123003	4000-1956-2900	750000	NULL	NULL
123004	5000-1700-6091	7500000	40000	2020-02-19
123004	4000-1956-3401	655000	8000	2020-01-19
123005	4000-1956-5102	300000	NULL	NULL
123006	4000-1956-5698	455000	NULL	NULL
123007	5000-1700-9800	355000	NULL	NULL
123007	4000-1956-9977	7025000	50000	2020-01-16
123007	9000-1700-777...	0	-2500	2020-04-21
123007	9000-1700-777...	0	-5000	2020-02-17
123007	5900-1900-987...	0	NULL	NULL
123008	5000-1700-7755	0	NULL	NULL
123006	5800-1700-980...	0	-9000	2020-04-13
123006	5890-1970-770...	0	NULL	NULL