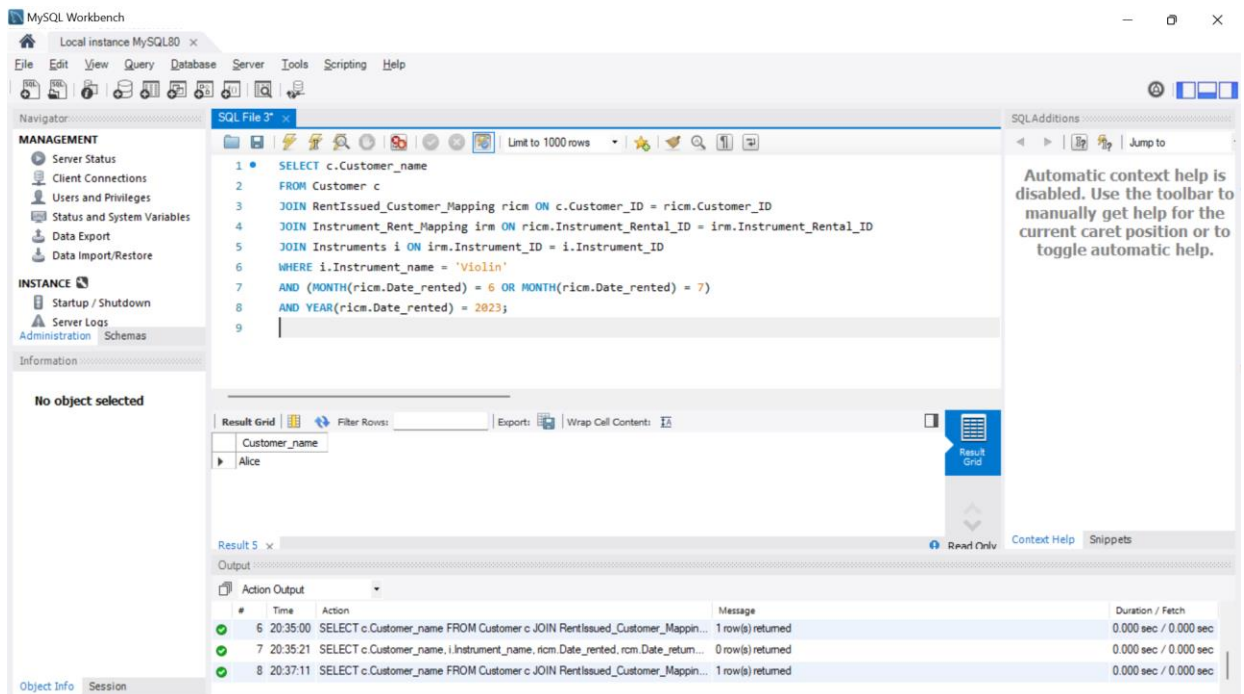


Musical Instrument Rental Management System

- List all the Customer who have taken “Violin” during the month of June and July 2023
- Create a report of all the Customer who have taken rent during September. This should include the type of instrument,date taken, and date returned.

a.



The screenshot shows the MySQL Workbench interface. The SQL Editor contains the following query:

```
1 SELECT c.Customer_name
2 FROM Customer c
3 JOIN RentIssued_Customer_Mapping ricm ON c.Customer_ID = ricm.Customer_ID
4 JOIN Instrument_Rent_Mapping irm ON ricm.Instrument_Rental_ID = irm.Instrument_Rental_ID
5 JOIN Instruments i ON irm.Instrument_ID = i.Instrument_ID
6 WHERE i.Instrument_name = 'Violin'
7 AND (MONTH(ricm.Date_rented) = 6 OR MONTH(ricm.Date_rented) = 7)
8 AND YEAR(ricm.Date_rented) = 2023;
9
```

The Results tab shows the output of the query:

Customer_name
Alice

The Output tab shows the execution log:

#	Time	Action	Message	Duration / Fetch
6	20:35:00	SELECT c.Customer_name FROM Customer c JOIN RentIssued_Customer_Mapping...	1 row(s) returned	0.000 sec / 0.000 sec
7	20:35:21	SELECT c.Customer_name, i.Instrument_name, ricm.Date_rented, ricm.Date_return...	0 row(s) returned	0.000 sec / 0.000 sec
8	20:37:11	SELECT c.Customer_name FROM Customer c JOIN RentIssued_Customer_Mapping...	1 row(s) returned	0.000 sec / 0.000 sec

b.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

bank2_db

Tables

- category
- customer
- customer_registration_mapping
- customer_user_mapping
- fare
- instrument_category_mapping
- instrument_fare_mapping

Administration Schemas

Information

No object selected

Query 1 x category customer customer_registration_mapping customer_user_mapping fare

Limit to 1000 rows

```
1 SELECT C.Customer_name, I.Instrument_name, RCH.Date_rented, RRCH.Date_returned
2 FROM Customer C
3 JOIN RentIssued_Customer_Mapping RCH ON C.Customer_ID = RCH.Customer_ID
4 JOIN RentReturned_Customer_Mapping RRCH ON RCH.Rent_issue_ID = RRCH.Rent_issue_ID
5 JOIN Instrument_Rent_Mapping IRM ON RCH.Instrument_Rental_ID = IRM.Instrument_Rental_ID
6 JOIN Instruments I ON IRM.Instrument_ID = I.Instrument_ID
7 WHERE MONTH(RCH.Date_rented) = 9
8 AND YEAR(RCH.Date_rented) = 2023;
9
10
11
```

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

Filter Rows: Export: Wrap Cell Content: ☐

Customer_name	Instrument_name	Date_rented	Date_returned
John Doe	Violin	2023-09-05	2023-09-15

Result 4 x

Read Only Context Help Snippets

Output