Q1. List customers with no bookings.

SELECT DISTINCT CONCAT(CustFirstName,",CustLastName) AS Customer_name,CustStreetAddress,CustCity,CustState,

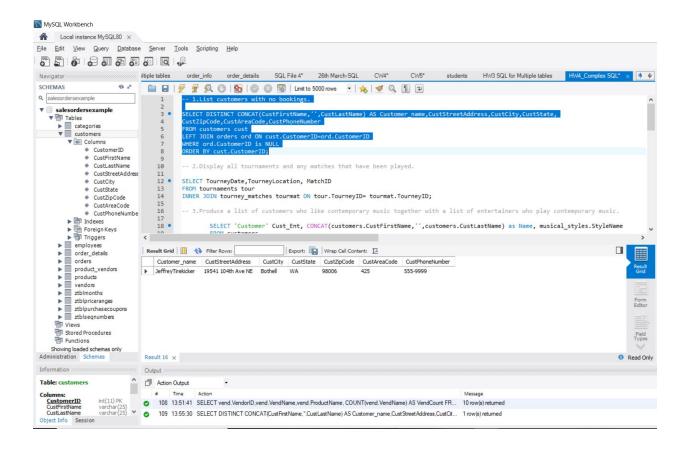
CustZipCode,CustAreaCode,CustPhoneNumber

FROM customers cust

LEFT JOIN orders ord ON cust.CustomerID=ord.CustomerID

WHERE ord.CustomerID is NULL

ORDER BY cust.CustomerID;

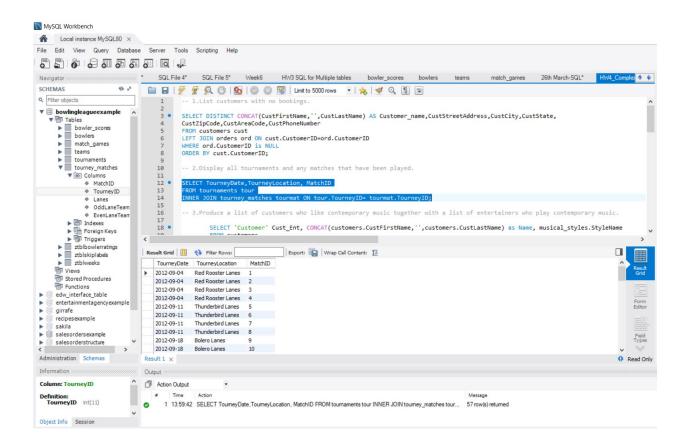


Q2. Display all tournaments and any matches that have been played.

SELECT TourneyDate,TourneyLocation, MatchID

FROM tournaments tour

INNER JOIN tourney_matches tourmat ON tour.TourneyID= tourmat.TourneyID;



Q3.Produce a list of customers who like contemporary music together with a list of entertainers who play contemporary music.

SELECT 'Customer' Cust Ent,

CONCAT(customers.CustFirstName,",customers.CustLastName) as Name, musical styles.StyleName

FROM customers

INNER JOIN musical_preferences ON customers.CustomerID = musical_preferences.CustomerID

INNER JOIN musical_styles ON musical_preferences.StyleID = musical_styles.StyleID

WHERE musical styles. StyleName = 'Contemporary'

UNION

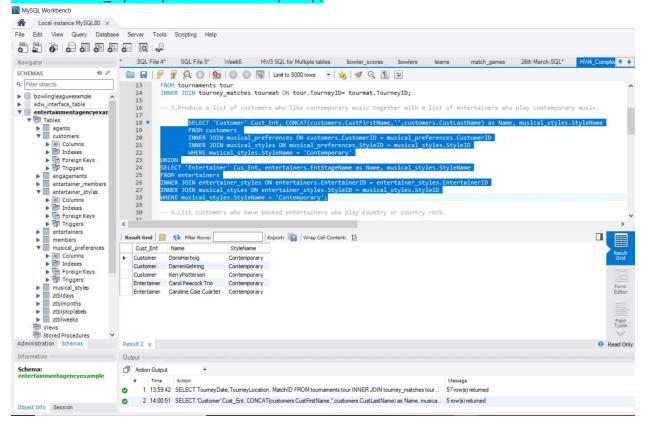
SELECT 'Entertainer' Cus Ent, entertainers. EntStageName as Name, musical styles. StyleName

FROM entertainers

INNER JOIN entertainer styles ON entertainers. EntertainerID = entertainer styles. EntertainerID

INNER JOIN musical_styLes ON entertainer_styles.StyleID = musical_styles.StyleID

WHERE musical_styles.StyleName = 'Contemporary';



Q4. List customers who have booked entertainers who play country or country rock.

SELECT CONCAT (CustFirstName,",CustLastName) AS CustName,EntStageName,StyleName

FROM customers

INNER JOIN engagements ON customers. CustomerID = engagements. CustomerID

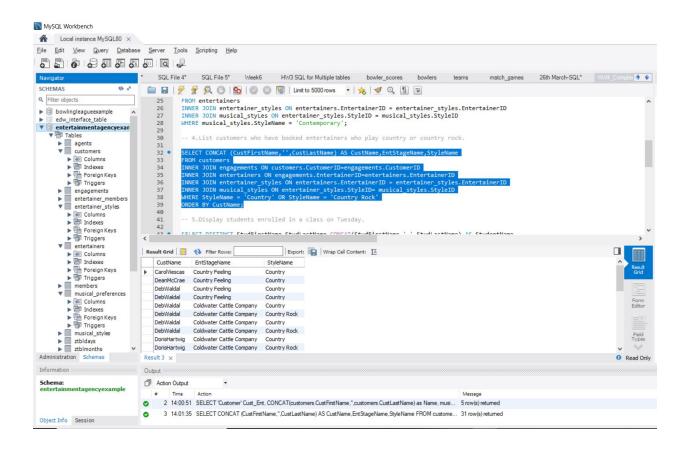
INNER JOIN entertainers ON engagements. Entertainer ID=entertainers. Entertainer ID

INNER JOIN entertainer_styles ON entertainers.EntertainerID = entertainer_styles.EntertainerID

INNER JOIN musical_styles ON entertainer_styles.StyleID= musical_styles.StyleID

WHERE StyleName = 'Country' OR StyleName = 'Country Rock'

ORDER BY CustName;



Q5.Display students enrolled in a class on Tuesday.

SELECT DISTINCT StudFirstName, StudLastName, CONCAT (StudFirstName, '', StudLastName) AS StudentName,

classes.ClassID,classes.TuesdaySchedule

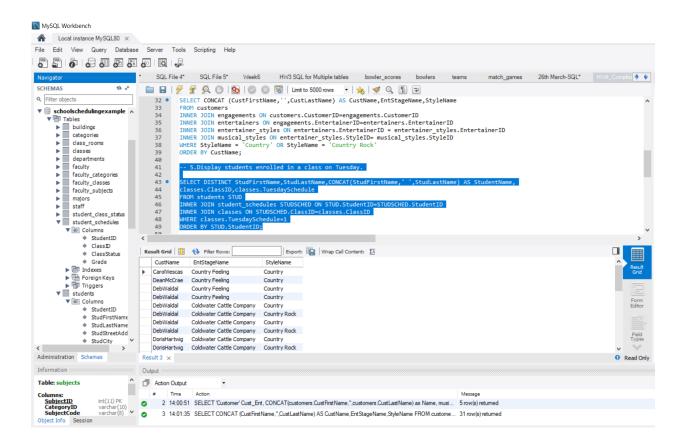
FROM students STUD

INNER JOIN student schedules STUDSCHED ON STUD.StudentID=STUDSCHED.StudentID

INNER JOIN classes ON STUDSCHED.ClassID=classes.ClassID

WHERE classes.TuesdaySchedule=1

ORDER BY STUD.StudentID;



Q7.List all vendors and the count of products sold by each. (use a subquery)

SELECT vend. VendorID, vend. VendName, vend. ProductName, COUNT (vend. VendName) AS VendCount

FROM (SELECT vendors. VendorID, vendors. VendName, products. ProductName

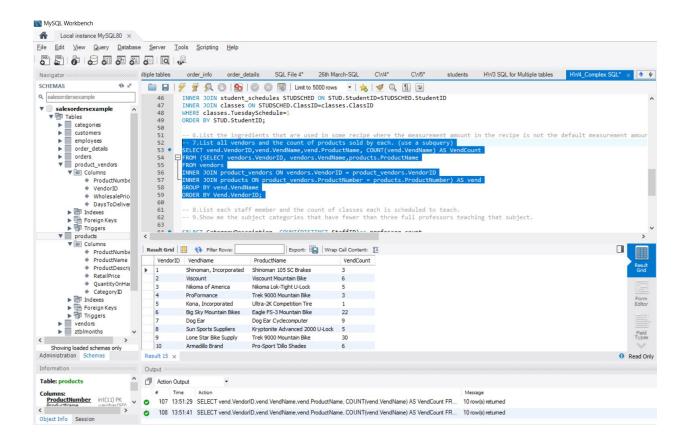
FROM vendors

INNER JOIN product vendors ON vendors. VendorID = product vendors. VendorID

INNER JOIN products ON product vendors.ProductNumber = products.ProductNumber) AS vend

GROUP BY vend. Vend Name

ORDER BY Vend. VendorID;



Q8. List each staff member and the count of classes each is scheduled to teach.

SELECT fac.fac Name, COUNT (DISTINCT fac. ClassID) AS Count CLass, fac. ClassID

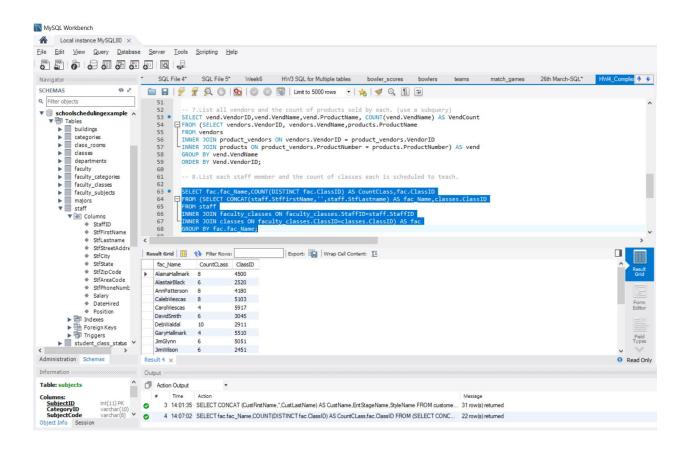
FROM (SELECT CONCAT(staff.StfFirstName,",staff.StfLastname) AS fac Name,classes.ClassID

FROM staff

INNER JOIN faculty_classes ON faculty_classes.StaffID=staff.StaffID

INNER JOIN classes ON faculty_classes.ClassID=classes.ClassID) AS fac

GROUP BY fac.fac_Name;



Q9.Show me the subject categories that have fewer than three full professors teaching that subject.

SELECT CategoryDescription, COUNT(DISTINCT StaffID)as professor_count

FROM categories CAT

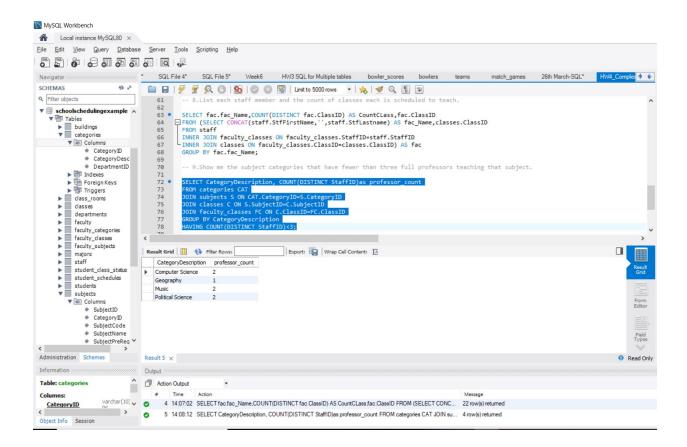
JOIN subjects S ON CAT.CategoryID=S.CategoryID

JOIN classes C ON S.SubjectID=C.SubjectID

JOIN faculty_classes FC ON C.ClassID=FC.ClassID

GROUP BY CategoryDescription

HAVING COUNT(DISTINCT StaffID)<3;



Q10.List the last name and first name of every bowler whose average raw score is greater than or equal to the overall average score.

SELECT bowlers.BowlerFirstName,bowlers.BowlerLastName

FROM bowlers

INNER JOIN bowler scores ON bowlers.BowlerID=bowler scores.BowlerID

GROUP BY bowlers.BowlerID

HAVING avg(bowler scores.RawScore)>=

(SELECT avg(bowler scores.RawScore)

FROM bowler scores);

