**Assignment 05**

***Place your code below each question***

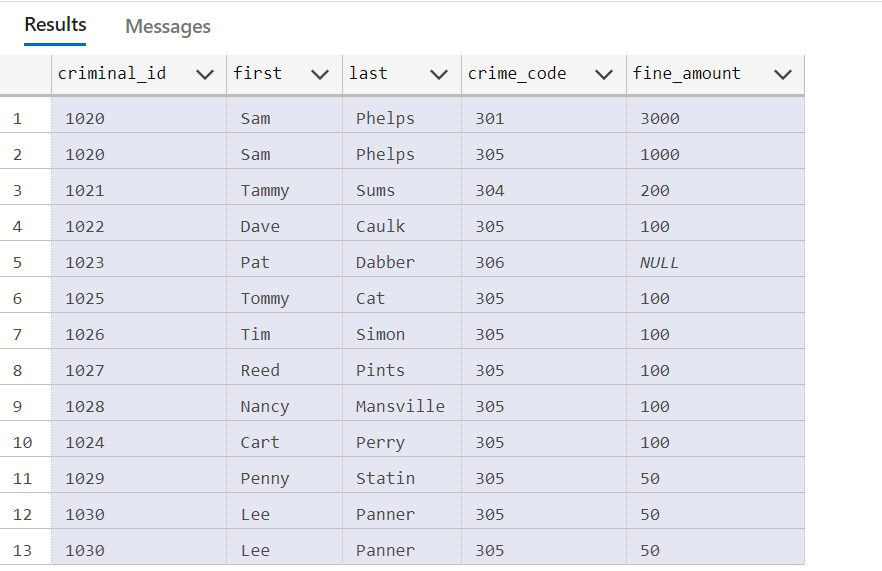
The following list reflects the current data requests from city managers. Provide the SQL statements that satisfy the requests. Test the statements and show execution results.

1. List all criminals along with the crime charges filed. The report needs to include the criminal ID, name, crime code, and fine amount.

USE CityJailSummerDB

SELECT criminals.criminal\_id, [first], [last], crime\_code, fine\_amount FROM criminals, crimes, crime\_charges

WHERE criminals.criminal\_id = crimes.criminal\_id AND crimes.crime\_id = crime\_charges.crime\_id



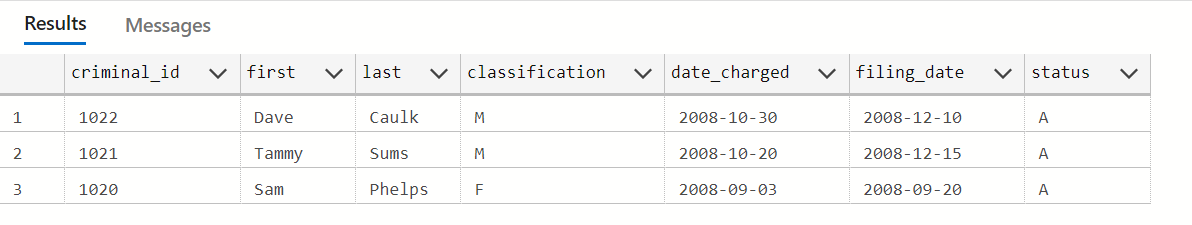
1. List all criminals along with crime status and appeal status (if applicable). The reports need to include the criminal ID, name, crime classification, date charged, appeal filing date, and appeal status. Show all criminals, regardless of whether they have filed an appeal.

USE CityJailSummerDB

SELECT criminals.criminal\_id, [last], [first], classification, date\_charged, filing\_date, appeals.[status]

FROM criminals, crimes, appeals

WHERE criminals.criminal\_id = crimes.criminal\_id AND crimes.crime\_id = appeals.crime\_id



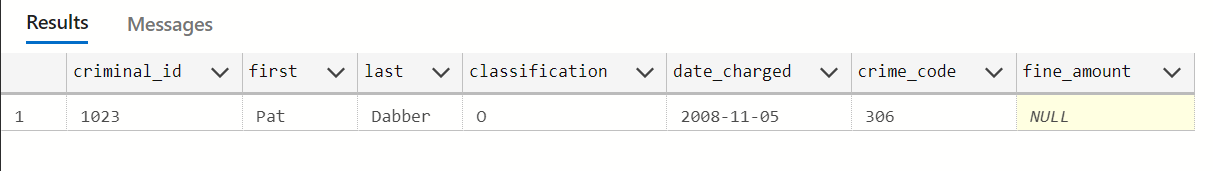
1. List all criminals along with crime information. The report needs to include the criminal ID, name, crime classification, date charged, crime code, and fine amount. Include only crimes classified as “Other.” Sort the list by criminal ID and date charged.

USE CityJailSummerDB

SELECT criminals.criminal\_id, [first], [last], classification, date\_charged, crime\_code, fine\_amount  FROM criminals, crimes, crime\_charges

WHERE criminals.criminal\_id = crimes.criminal\_id AND crime\_charges.crime\_id = crimes.crime\_id AND classification = 'O'

ORDER BY criminal\_id

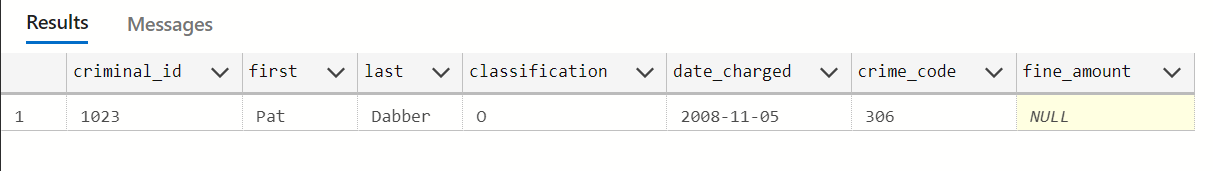


USE CityJailSummerDB

SELECT criminals.criminal\_id, [first], [last], classification, date\_charged, crime\_code, fine\_amount  FROM criminals, crimes, crime\_charges

WHERE criminals.criminal\_id = crimes.criminal\_id AND crime\_charges.crime\_id = crimes.crime\_id AND classification = 'O'

ORDER BY date\_charged



1. Create an alphabetical list of all criminals, including criminal ID, name, violent offender status, parole status, and any known aliases.

USE CityJailSummerDB

SELECT criminals.criminal\_id, [first], [last], v\_status, p\_status, alias

FROM criminals LEFT JOIN aliases ON criminals.criminal\_id = aliases.criminal\_id

ORDER BY LAST



1. A table named Prob\_Contact contains the required frequency of contact with a probation officer, based on the length of the probation period (the number of days assigned to probation). Review the data in this table, which indicates ranges for the number of days and applicable contact frequencies. Create a list containing the name of each criminal who has been assigned a probation period, which is indicated by the sentence type. The list should contain the criminal name, probation start date, probation end date, and required frequency of contact. Sort the list by criminal name and probation start date.

USE CityJailSummerDB

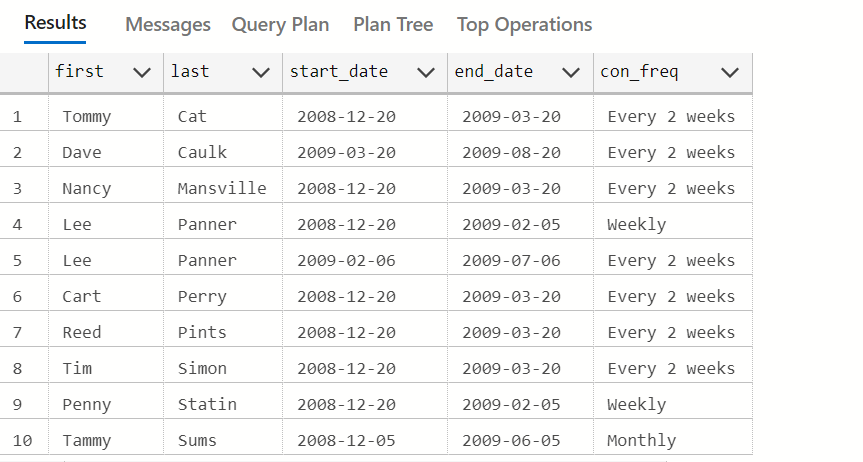
SELECT [first], [last], start\_date, end\_date, con\_freq

FROM criminals JOIN sentences ON criminals.criminal\_id = sentences.criminal\_id

JOIN prob\_contact ON DATEDIFF (day, sentences.start\_date, sentences.end\_date) BETWEEN prob\_contact.low\_amt AND prob\_contact.high\_amt

WHERE sentences.[type] = 'P'

ORDER BY [last]



USE CityJailSummerDB

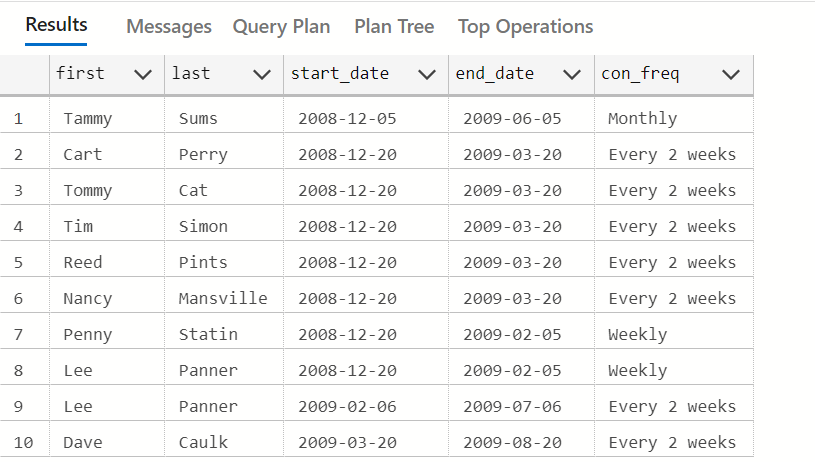
SELECT [first], [last], start\_date, end\_date, con\_freq

FROM criminals JOIN sentences ON criminals.criminal\_id = sentences.criminal\_id

JOIN prob\_contact ON DATEDIFF (day, sentences.start\_date, sentences.end\_date) BETWEEN prob\_contact.low\_amt AND prob\_contact.high\_amt

WHERE sentences.[type] = 'P'

ORDER BY [start\_date]



1. A column named Mgr\_ID has been added to the Prob\_Officers table and contains the ID number of the probation supervisor for each officer. Produce a list showing each probation officer’s name and his or her supervisor’s name. Sort the list alphabetically by probation officer name.

USE CityJailSummerDB

SELECT probation.[first], probation.[last], manager.[first], manager.[last]

FROM prob\_officers probation LEFT JOIN prob\_officers manager

ON probation.mgr\_id = manager.prob\_id

ORDER BY probation.[last]

