1. ***SELECT Queries***
2. List of employees in whose name "Ni"/"ni" is mentioned, with a list of detected crimes for each.

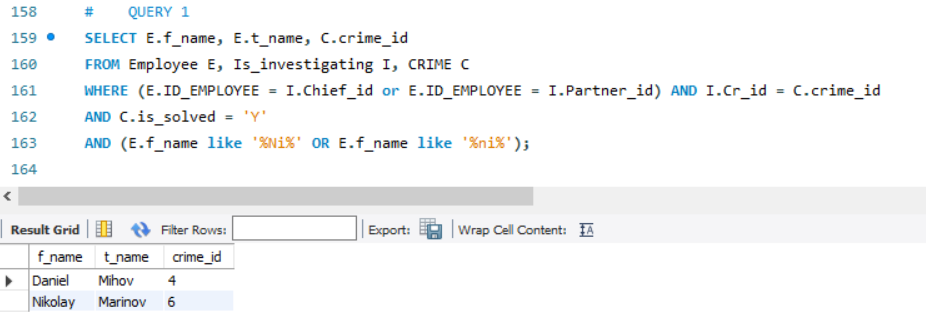
SELECT E.f\_name, E.t\_name, C.crime\_id

FROM Employee E, Is\_investigating I, CRIME C

WHERE (E.ID\_EMPLOYEE = I.Chief\_id or E.ID\_EMPLOYEE = I.Partner\_id) AND I.Cr\_id = C.crime\_id

AND C.is\_solved = 'Y'

AND (E.f\_name like '%Ni%' OR E.f\_name like '%ni%');



1. For a perpetrator named “Geno”, a list of all other criminals with whom he was involved in the commission of 2 or more crimes.

SELECT C.f\_name,C.t\_name,C2.f\_name,C2.t\_name

FROM CRIMINAL C, Is\_commited I,CRIMINAL C2, Is\_commited I2

WHERE (I.Main\_perpetrator\_id=C.Criminal\_id or I.Crime\_partner\_id=C.Criminal\_id)

and (I2.Main\_perpetrator\_id=C2.Criminal\_id

or I2.Crime\_partner\_id=C2.Criminal\_id)

and I2.Crime\_id=I.Crime\_id

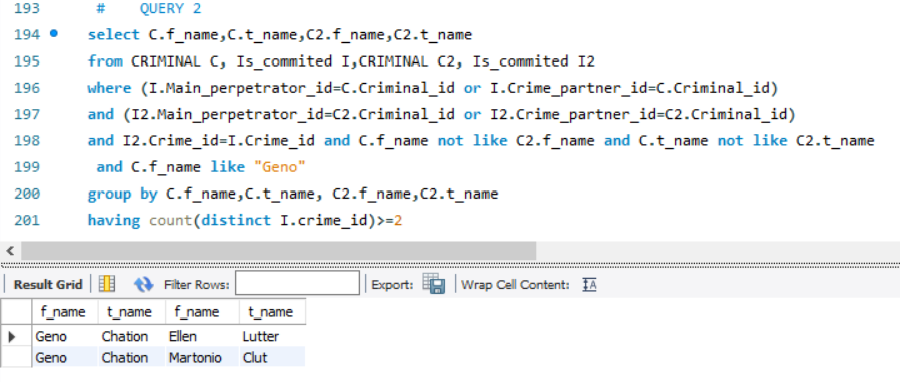
and C.f\_name not like C2.f\_name

and C.t\_name not like C2.t\_name

and C.f\_name like "Geno"

GROUP BY C.f\_name,C.t\_name, C2.f\_name,C2.t\_name

HAVING count(distinct I.crime\_id)>=2



1. Recapitulation for the whole of 2015. : total number of committed crimes; total number of detected crimes; ratio of crimes with disclosure to those without subsequent disclosure.

SELECT TotalCrimes , SolvedCrimes, (TotalCrimes-SolvedCrimes)AS UnsolvedCrimes ,

SolvedCrimes/(TotalCrimes-SolvedCrimes) AS Ratio

from (SELECT COUNT(crime\_id) as TotalCrimes

FROM crime

) all\_crimes ,

( SELECT COUNT(\*) as SolvedCrimes

FROM crime

WHERE is\_solved like 'Y'

) resolved ,

crime C

WHERE C.dateOpened >= '2015-01-01' AND C.dateOpened <= '2015-12-31'

