***Chicago Police Department Project Proposal - Checkpoint 5 Queries***

**Query 1**- This query is used to join the table of repeat offenders with the settlement data. The new column ‘is\_bad\_officer\_involved’ is set to 1 if any of the repeat offenders are involved in that settlement. This was necessary because some settlements involve multiple officers.

*select s.\*,*

*(CASE WHEN 0 in (select tab3.is\_good\_officer from (select so.\*, tab2.is\_good\_officer from settlement\_officer so*

*inner join (select o.id as officer\_id, kr.is\_good\_officer from officer o*

*inner join kmeans\_results kr on o.badge\_number = cast(kr.badge\_id as varchar)) tab2 on so.officer\_id = tab2.officer\_id) tab3*

*where tab3.officer\_id = s.id*

*) THEN 1*

*ELSE 0*

*END) as is\_bad\_officer\_involved*

*from settlement s*