Adrian Grimm

#9 Case Study

1.

SELECT c.Criminal\_ID, c.last, c.first, cc.Crime\_code, cc.Fine\_amount

FROM Criminals c, Crimes c2, Crime\_charges cc

WHERE c.Criminal\_ID = c2.Criminal\_ID

AND c2.Crime\_id = cc.Crime\_id

AND cc.Fine\_amount IS NOT NULL;

SELECT c.Criminal\_ID, c.last, c.First, cc.Crime\_code, cc.Fine\_amount

FROM Criminals c JOIN Crimes c2 USING (Criminal\_ID)

JOIN Crimes c2 ON Crime\_ID

JOIN Crime\_charges cc USING (Crime\_ID)

AND cc.Fine\_amount is NOT NULL;

2.

SELECT c.Criminal\_ID, c.first, c.last, cr.classification, cr.date\_charged, a.filing\_date, a.status

FROM Criminals c, Crimes cr, Appeals a

WHERE c.Criminal\_ID = cr.Criminal\_ID

AND cr.Criminal\_ID = a.Crime\_ID;

SELECT c.Criminal\_ID, c.first, c.last, cr.classification, cr.date\_charged, a.filing\_date, a.status

FROM Criminals c JOIN Crimes cr USING (Criminal\_ID),

Crimes cr JOIN Appeals a USING (Crime\_ID);

3.

SELECT c.Criminal\_ID, c.first || ' ' || c.last "Criminal Name",

cr.Classification, cr.Date\_charged, cc.Crime\_code, cc.Fine\_amount

FROM Criminals c, Crimes cr, Crime\_charges cc

WHERE c.Criminal\_ID = cr.Criminal\_ID

AND cr.Crime\_ID = cc.Crime\_ID

AND cr.Classification = 'O'

ORDER BY c.Criminal\_ID DESC, cr.Date\_charged;

SELECT Criminal\_ID, c.first || ' ' || c.last "Criminal Name",

cr.Classification, cr.Date\_charged, cc.Crime\_code, cc.Fine\_amount

FROM Criminals c JOIN Crimes cr USING (Criminal\_ID)

JOIN Crime\_charges cc USING (Crime\_ID)

WHERE cr.Classification = 'O'

ORDER BY Criminal\_ID, Date\_charged;

4.

SELECT c.Criminal\_ID, c.first || ' ' || c.last "Criminal Name",

c.v\_status, c.p\_status, a.Alias

FROM Criminals c, Aliases a

WHERE c.Criminal\_ID = a.Criminal\_ID

ORDER BY "Criminal Name" DESC;

SELECT Criminal\_ID, c.first || ' ' || c.last "Criminal Name",

c.v\_status, c.p\_status, a.Alias

FROM Criminals c JOIN Aliases a USING (Criminal\_ID)

ORDER BY "Criminal Name" DESC;

5.

SELECT c.first || ' ' || c.last "Criminal Name",

s.start\_date, s.end\_date, pc.con\_freq

FROM Criminals c, Sentences s, prob\_contact pc

WHERE c.Criminal\_ID = s.Criminal\_ID

AND s.end\_date - s.start\_date >= pc.low\_amt

AND s.end\_date - s.start\_date <= pc.high\_amt

AND s.Type = 'P'

ORDER BY "Criminal Name", s.start\_date;

SELECT c.first || ' ' || c.last "Criminal Name",

s.start\_date, s.end\_date, pc.con\_freq

FROM Criminals c JOIN Sentences s USING (Criminal\_ID)

JOIN prob\_contact pc

ON s.end\_date - s.start\_date >= pc.low\_amt

AND s.end\_date - s.start\_date <= pc.high\_amt

WHERE s.Type = 'P'

ORDER BY "Criminal Name", s.start\_date;

6.

SELECT po.last, po.first, pm.last "Sup. Last", pm.first "Sup. First"

FROM prob\_officers po, prob\_officers pm

WHERE pm.mgr\_id = po.prob\_id(+)

ORDER BY po.last;

SELECT po.last, po.first, pm.last "Sup. Last", pm.first "Sup. First"

FROM prob\_officers po LEFT OUTER JOIN prob\_officers pm

ON po.mgr\_ID = pm.prob\_id

ORDER BY po.last;