/\* Logan Kim \*/

/\* COMP214-008 \*/

/\* Assignment 1 \*/

/\* Question 1 \*/

/\* List the name of each officer who has reported more than the average number of crimes officers have reported \*/

SELECT co.officer\_id, o.last, o.first

FROM crime\_officers co

JOIN officers o

ON co.officer\_id = o.officer\_id

GROUP BY co.officer\_id, o.last, o.first

HAVING COUNT(\*) > (SELECT COUNT(\*) / COUNT(DISTINCT officer\_id)

FROM crime\_officers);



/\* Question 2 \*/

/\* List the criminal names for all criminals who have a less than average number of crimes and aren't listed as violent offenders \*/

SELECT cls.criminal\_id, cls.first, cls.last

FROM criminals cls

JOIN crimes cr

ON cls.criminal\_id = cr.criminal\_id

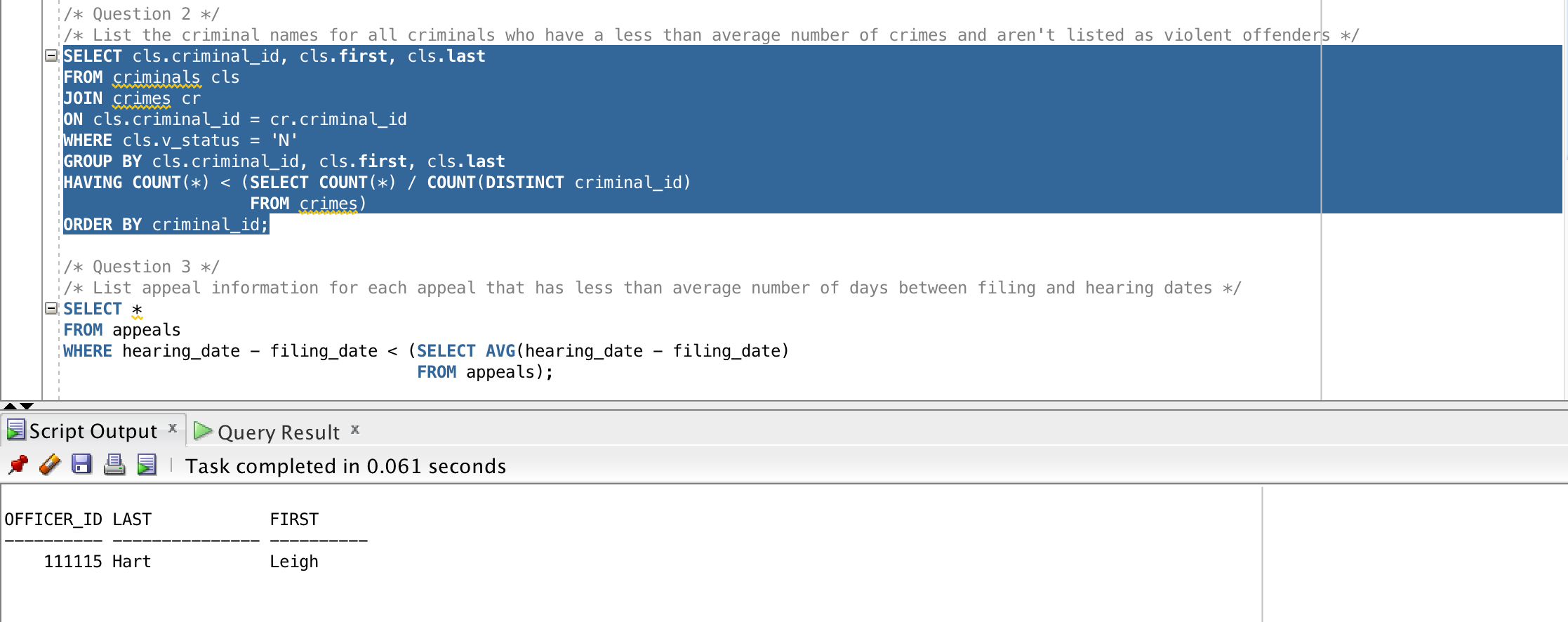
WHERE cls.v\_status = 'N'

GROUP BY cls.criminal\_id, cls.first, cls.last

HAVING COUNT(\*) < (SELECT COUNT(\*) / COUNT(DISTINCT criminal\_id)

FROM crimes)

ORDER BY criminal\_id;



/\* Question 3 \*/

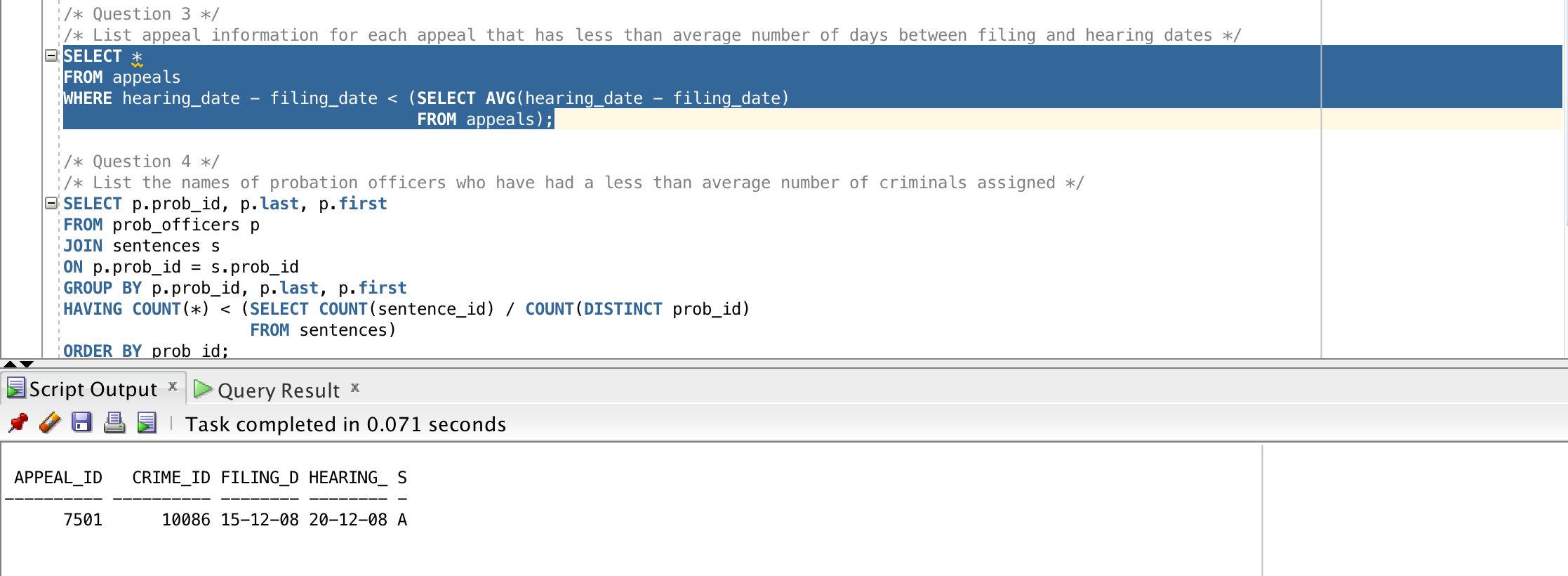
/\* List appeal information for each appeal that has less than average number of days between filing and hearing dates \*/

SELECT \*

FROM appeals

WHERE hearing\_date - filing\_date < (SELECT AVG(hearing\_date - filing\_date)

FROM appeals);



/\* Question 4 \*/

/\* List the names of probation officers who have had a less than average number of criminals assigned \*/

SELECT p.prob\_id, p.last, p.first

FROM prob\_officers p

JOIN sentences s

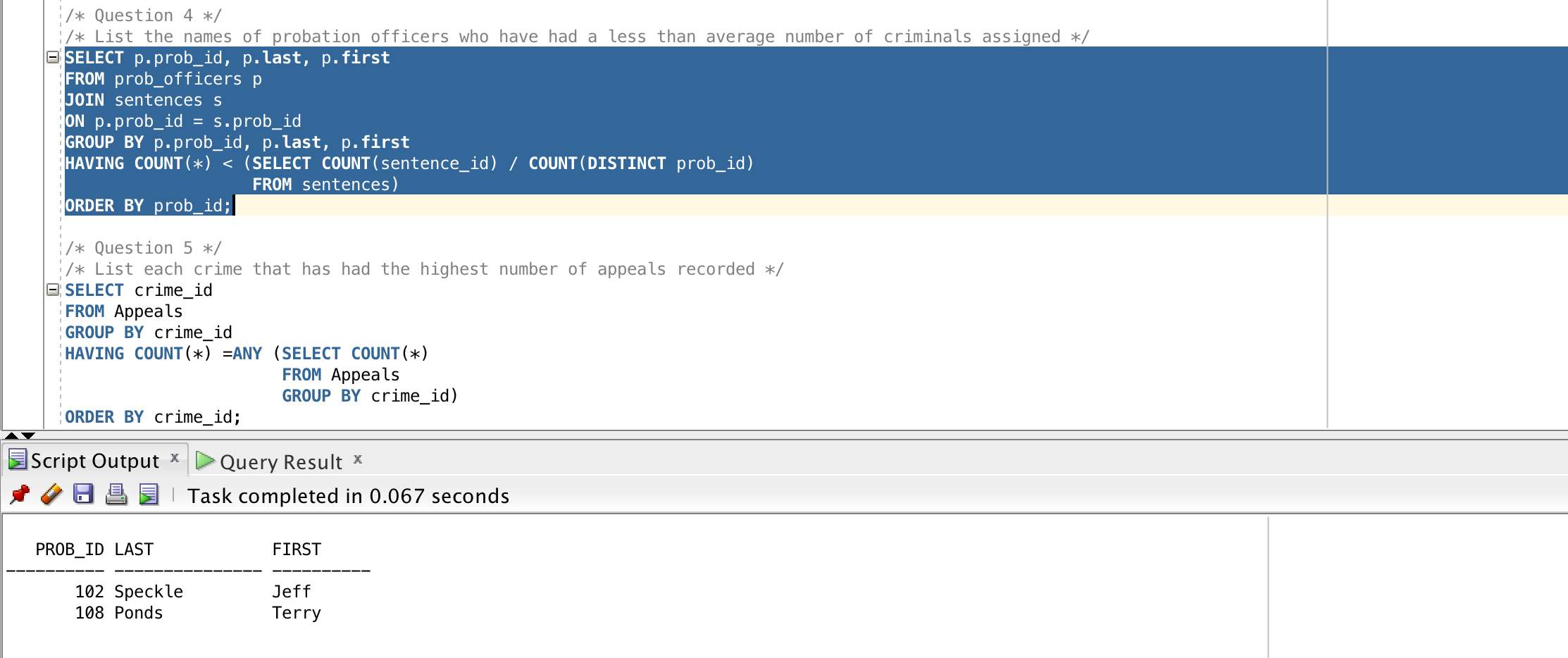
ON p.prob\_id = s.prob\_id

GROUP BY p.prob\_id, p.last, p.first

HAVING COUNT(\*) < (SELECT COUNT(sentence\_id) / COUNT(DISTINCT prob\_id)

FROM sentences)

ORDER BY prob\_id;



/\* Question 5 \*/

/\* List each crime that has had the highest number of appeals recorded \*/

SELECT crime\_id

FROM Appeals

GROUP BY crime\_id

HAVING COUNT(\*) =ANY (SELECT COUNT(\*)

FROM Appeals

GROUP BY crime\_id)

ORDER BY crime\_id;

