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/* 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);

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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 *

```

Script Output x Query Result x

Task completed in 0.061 seconds

OFFICER_ID	LAST	FIRST
111115	Hart	Leigh

```

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GROUP BY cls.criminal_id, cls.first, cls.last

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HAVING COUNT(*) < (SELECT COUNT(*) / COUNT(DISTINCT criminal_id)
                    FROM crimes)
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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);

```

Script Output

Query Result



Task completed in 0.061 seconds

OFFICER_ID	LAST	FIRST
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/* Question 3 */
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
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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;

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Script Output xQuery Result x

    Task completed in 0.071 seconds

APPEAL_ID	CRIME_ID	FILING_D	HEARING_S
7501	10086	15-12-08	20-12-08 A

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/* 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

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                    FROM sentences)
ORDER BY prob_id;

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/* 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;

```

Script Output x Query Result x

Task completed in 0.067 seconds

PROB_ID	LAST	FIRST
102	Speckle	Jeff
108	Ponds	Terry

```

/* 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(*)
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ORDER BY crime_id;





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FROM sentences)
ORDER BY prob_id;

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Script Output x Query Result x  
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