Date: 12/23/22
Lesson: Group By
Course: Jose Portilla's SQL Zero to Hero

Group By Practice

Question:
We have two staff members, with Staff IDs 1 and 2. We want to give a bonus to the staff
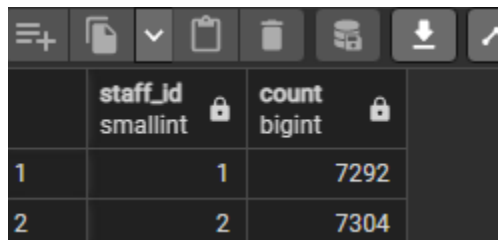member that handled the most payments.
(Most in terms of the number of payments processed, not total dollar amount)

How many payments did each staff member handle and who gets the bonus?

Query:
SELECT staff_id, COUNT(amount)
FROM payment GROUP BY staff_id
ORDER BY COUNT(amount);

Result:

staff_id smallint	count bigint
1	7292
2	7304

Question:

Corporate HQ is conducting a study on the relationship between replacement cost and a movie
MPAA rating(e.g G, PG, R, ect...).

What is the average replacement cost per MPAA rating? (Note You may need to expand the
AVG column to view correct results)

Query:
SELECT ROUND(AVG(replacement_cost),2), rating

FROM film GROUP BY rating
ORDER BY AVG(replacement_cost);

Result:

	round numeric	rating mpaa_rating
1	18.96	PG
2	20.12	G
3	20.14	NC-17
4	20.23	R
5	20.40	PG-13

Question:
We are running a promotion to reward our top 5 customers with coupons.

What are the customer IDs of the top 5 customers by total spend?

Query:
SELECT customer_id, SUM(amount)
FROM payment GROUP BY customer_id
ORDER BY SUM(amount) DESC
LIMIT 5;

Result:

	customer_id smallint	sum numeric
1	148	211.55
2	526	208.58
3	178	194.61
4	137	191.62
5	144	189.60