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-- SUMIT SINGH          LAB 4 AGGREGATE FUNCTIONS
-- Put your answers on the lines after each letter. E.g. your query for question 1A should go on line 5; your query for question 1B should go
on line 7...
-- 1
-- A.
SELECT MIN(price) AS 'Lowest Price' FROM stock_items;
-- B.
SELECT MAX(inventory) AS 'Greatest Quantity' FROM stock_items;
-- C.
SELECT AVG(price) AS 'Average Price' FROM stock_items;
-- D.
SELECT SUM(inventory) AS 'Total Inventory' FROM stock_items;

-- 2
-- A.
SELECT role, COUNT(*) AS 'Count' FROM employees GROUP BY role;
-- B.
SELECT CASE WHEN category = 'Canine' OR category = 'Feline ' THEN 'Mammals' ELSE category END AS 'Category', COUNT(*) AS 'Count' FROM
stock_items WHERE category != 'Piscine' GROUP BY Category;
-- C.
SELECT category, AVG(price) AS 'Average Price ($)' FROM stock_items WHERE inventory > 0 GROUP BY category;

-- 3
-- A.
SELECT SUM(inventory) AS 'In Stock', category AS 'Species' FROM stock_items GROUP BY category ORDER BY 'In Stock' ASC;
-- B.
SELECT category, SUM(inventory) AS 'Total Inventory', AVG(price) AS 'Average Price' FROM stock_items GROUP BY category HAVING SUM(inventory) <
100 AND AVG(price) < 100;
-- 4
SELECT item AS 'Product', CONCAT('$', price) AS 'Price', inventory AS 'Stock Remaining', category AS 'Species', (price * inventory) AS
'Potential Earnings' FROM stock_items ORDER BY 'Potential Earnings' DESC;

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