Grade received 100% To pass 80% or higher

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Jeekly challenge 4	
atest Submission Grade 100%	
A data analyst is working with a spreadsheet from a furniture company. To use the template for this spreadsheet, click the link below and select "Use Template."	1/1 point
Link to template: Sample Transaction Table	
Or, if you don't have a Google account, download the file directly from the attachment below.	
CSV File	
The analyst inputs a function to find the number of product prices that are less than \$150.00. Which formula will return that result?	
○ =SUMIF(G2:G30, "<150")	
○ =SUMIF(G2:G30, ">150")	
○ =COUNTIF(G2:G30, ">=150")	
● =COUNTIF(62:630, "<150")	
Correct The COUNTIF formula =COUNTIF(G2:G30, "<150") will allow the analyst to count all product price values in Column G that are less than \$150.	
You are working in a spreadsheet and use the SUMIF function in the formula below as part of your analysis.	1/1 point
=SUMIF(A1:A25, "<10", C1:C25)	
Which part of this formula is the criteria or condition?	
O A1:A25	
O C1:C25	
○ =SUMIF	
● "<10"	
Correct The criteria or condition for this SUMIF formula is "<10". This means that if any values in the range A1 through A25 are less than 10, their corresponding values in the range C1 through C25 will be added together.	
- Angeliani	
The following is a formula with the SUMPRODUCT function:	1/1 point
=SUMPRODUCT(A2:A10,B2:B10). It will add the values from the first says (A2:A10) to the values from the corend cases (P2:B10). Then the curre	
It will add the values from the first range (A2:A10) to the values from the second range (B2:B10). Then, the sums will be multiplied.	
○ True	
● False	
 Correct The formula will multiply the first range of values (A2:A10) by the second range of values (B2:B10). Then, the products will be added together. 	
You create a pivot table in a spreadsheet containing movie data. To use the template for this spreadsheet, click the link below and select "Use Template."	1/1 point
Link to template: Movie Data Project.	
Or, if you don't have a Google account, download the file directly from the attachment below.	
Movie Data Starter Project XLSX File XLSX	
If you want to summarize the data using the AVERAGE function in the Values menu, which spreadsheet columns could you add data from? Select all that apply.	
☑ Box Office Revenue	
⊙ Correct To summarize the data using the AVERAGE function, you could use the Budget column or the Box Office Revenue column. Both have numeric values that the AVERAGE function could calculate.	
■ Budget	
 Correct To summarize the data using the AVERAGE function, you could use the Budget column or the Box Office Revenue column. Both have numeric values that the AVERAGE function could calculate. 	

☐ Genre 5. A data analyst uses the following SQL query to perform basic calculations on their data. Which types of operators 1/1 point is the analyst using in this SQL query? Select all that apply. SELECT Yes_Responses, No_Responses, Total_Surveys, (Yes_Responses + No_Responses) / Total_Surveys AS Responses_Per_Survey FROM Survey_1 Multiplication ✓ Division The analyst is using the division operator (/) in this SQL query to divide the sum of "yes" and "no" responses by the total number of surveys. ☐ Subtraction ✓ Addition The analyst is using the addition operator (+) in this SQL query to calculate the sum of "yes" and "no" responses. 6. You are working with a database table that contains data about music. The table includes columns for track_id, track_name, composer, 1/1 and album_id. You are only interested in data about the classical musician Johann Sebastian Bach. You want to create new album IDs. point You decide to multiply the current album IDs by 10 to create new album IDs, and use the AS command to store them in a new column called new_album_id. Add a statement to your SQL query that calculates a new album Id for each track and stores it in a new column as new_album_id. NOTE: The three dots (...) indicate where to add the statement. album_id*10 AS new_album_id 6 WHERE 7 composer = "Johann Sebastian Bach" AND track_id = 3490 3350 What is the new album ID for the track with Id number 3490? O 2760 3000 3350 O 2970 You add the statement album_id * 10 AS new_album_id to calculate a new album ID for each track and store it in a new column as new_album_id. The complete query is **SELECT track_id**, track_name, composer, album_id, album_id * 10 AS new_album_id FROM track WHERE composer = "Johann Sebastian Bach". The AS command gives a temporary name to the new column The new Album Id for the track with Id number 3490 is 3350. total (total amount billed for each invoice). Some customers have multiple invoices. You want to find out the total amount billed to each customer, and store the result in a new column as total_amount You write the SQL query below. Add a GROUP BY clause that will group the data by customer ID number. SELECT
customer_id,
SUM(total) AS total_amount
FROM invoice 5 | 40.62 | What is the total amount billed to the customer with Id number 5? O 49.62 37.62 40.62 39.62

You add the clause GROUP BY customer_id to group the data by customer Id number. The complete query is SELECT customer_id, SUM(total) AS total_amount FROM invoice GROUP BY

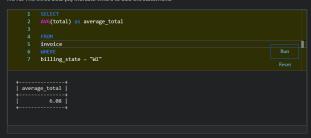
customer_i.d. The GROUP BY command groups rows that have the same values from a table into summary rows. GROUP BY is always placed as the last command in a SELECT-FROM-WHERE query.

The total amount billed to the customer with Id number 5 is 40.62.

8. You are working with a database table that contains invoice data. The table includes columns for billing_state, billing_country, and total. You want to know the average total price for the invoices billed to the state of Wisconsin. You decide to use the AVG function to find the average total, and use the AS command to store the result in a new column called average_total.

 ${\bf Add\ a\ statement\ to\ your\ SQL\ query\ that\ calculates\ the\ average\ total\ and\ stores\ it\ in\ a\ new\ column\ as}$ average_total.

NOTE: The three dots (...) indicate where to add the statement.



What is the average total for Wisconsin?

- O 5.37
- **⑥** 6.08
- O 5.54

© correct
You add the statement AVG(total) AS average_total to calculate the average total and store it in a $new\ column\ as\ average_total.\ The\ complete\ query\ is\ {\tt SELECT\ billing_state},\ billing_country,$ AVG(total) AS average_total FROM invoice WHERE billing_state = "WI". The AVG function is an aggregate function that returns the average value of a group of values. The AS command gives a temporary name to the new column.

The average total for Wisconsin is 6.08.

1/1 point