← Back Course challenge Graded Quiz • 1h 5m

Get started with data calculations A Try again once you are ready Pivot...pivot...pivot... Try again Grade Latest Submission received COURS Grade Rates Submission To pass 80% or Learn more SQL calculations The data-validation process Quiz • 1h 5m Using SQL with temporary tables Weekly challenge 4 Course challenge 1. Scenario 1, Questions 1-7 0 / 1 point Quiz: Course challenge For the past six months, you have been working for a direct-mail marketing firm as a junior marketing analyst.

Direct mail is advertising material sent to people through the mail. These people can be current or prospective 13 questions Video: Congratulations!
1 min customers, cl**bur**ets,Jorളർമ്മ**െട**െM**aos**y cl**astrétinas**slep**e**valyവ**ാർ diva**st mail for financial support. $Your \, company, \hbox{Directly Dynamic, creates direct-mail pieces with its in-house staff of graphic designers, expert-property of the property of the property$ Reading: Coming up next... mail list services, and on-site printing. Your team has just been hired by a local nonprofit, Food Justice Rock Springs. The missibit by 3 distice Rock Springs is to eliminate food deserts by establishing local gardens, Springs. The mission of Food Tustice Rock Springs is to eliminate rood deserts by establishing local gardens, providing mobiles and rights edge at the springs of the spri president of marketing and outreach. C5 Course Challenge, Email From Tayen Bell, Directly Dynamic .pdf PDF/Filq_ike 🖓 Dislike 🏳 Report an issue You begin by reviewing the dataset. To use the template for this dataset, click the link below and select "Use Link to template: <u>Dynamic Dataset</u> 🗹 Or, if you don't have a Google account, download the file directly from the attachment below. Oynamic Dataset XLSX File The client has asked you to send two separate mailings: one to people within 50 miles of Rock Springs; the other to anyone outside that area. So, to research each donor's distance from the city, you first need to find out where all of these people live. You could scroll through 209 rows of data, but you know there is a more efficient way to organize the cities. Which of the following procedures will enable you to sort your spreadsheet by city (Column K) in ascending order? Select all that apply. Select A2-R210, then use the drop-down menu to Sort Range by Column K from A to Z igotimes This should not be selected Review the section on sorting ☐ for a refresher. Select A2-R210, then use the drop-down menu to Sort Sheet by Column K from A to Z ✓ Use the SORT function syntax: =SORT(A2:R210, K, TRUE) igotimes This should not be selected Review the section on sorting $\ \square$ for a refresher. Use the SORT function syntax: =SORT(A2:R210, 11, TRUE) 2. Scenario 1, continued 1/1 point You notice that many cells in the city column, Column K, are missing a value. So, you use the zip codes to research the correct cities. Now, you want to add the cities to each donor's row. However, you are concerned about making a mistake, such as a spelling error. What spreadsheet tool can you use to add a drop-down list with predetermined options for each city name? O Find O VLOOKUP Data validation O List You use data validation to add drop-down lists with predetermined options for each city name. This allows you to control what can and cannot be entered in your worksheet. 3. Scenario 1, continued 1/1 point Now, you decide to address Tayen's request to include a handwritten note in the direct-mail piece for anyone who gave at least \$100 last year. Which of the following procedures will enable you to change how cells in your spreadsheet appear if they contain a value of \$100 or more? O Select Column M. Then, select Format > Conditional Formatting. Choose to format cells if text starts with O Select Column M. Then, select Format > Conditional Formatting. Choose to format cells if they are greater Select Column M. Then, select Format > Conditional Formatting. Choose to format cells if they are greater O Select Column M. Then, select Format > Conditional Formatting. Choose to format cells if text contains 100. To change how cells appear if they contain a value of \$100 or more, select Column M. Then, select Format > Conditional Formatting. Choose to format cells if they are greater than or equal to 100. 4. Scenario 1, continued 0 / 1 point At this point, you notice that the information about state and zip code is in the same cell. However, your To move the 5-digit zip code in cell L2 into its own column, you use the function =LEFT(L2,5). True ○ False igotimes Incorrect 5. Scenario 1, continued 1 / 1 point Next, you duplicate your dataset twice using the Sheet Menu. You rename the first sheet Donation Form List, and you remove the cities that are further than 50 miles from Rock Springs. You rename the second sheet Postcard List, and you remove the cities that are within 50 miles of Rock Springs. Then, you import these datasets into your company's mailing list database. In a mailing list database, you create $two\ tables: Donation_Form_List\ and\ Postcard_List.\ You\ decide\ to\ clean\ the\ Donation_Form_List\ first.$ Your company's mailing list software requires units to be on the same line as street addresses. However, they are currently in two separate columns (street_address and unit). What portion of your SQL statement will instruct the database to combine these two columns into a new column called "address"? ○ JOIN(street_address to unit) AS address ONCAT(street_address to unit) AS address ○ JOIN(street_address, " to ", unit) AS address CONCAT(street_address, " to ", unit) AS address Correct
 The portion of your SQL statement used to instruct the database to combine these two columns into a new column called "address" is CONCAT(street_address, " to ", unit) AS address. 6. Scenario 1, continued 1 / 1 point Your database contains people who live in many areas of Wyoming. However, it's important to align your in-house data with the data from Food Justice Rock Springs. You also need to separate your data into the two lists: Donation_Form_List and Postcard_List. They will be based on each city's distance from Rock Springs. What SQL function do you use to select all data from the Donation_Form_List organized by zip code? SEQUENCE ORGANIZE ORDER BY ARRANGE BY ○ Correct
 To select all data from the Donation_Form_List organized by zip code, you use the ORDER BY function. The ORDER BY function sorts results returned in a query. 7. Scenario 1, continued 1 / 1 point You finish cleaning your datasets, so you decide to review Tayen's email one more time to make sure you completed the task fully. It's a good thing you checked because you forgot to identify people who have served on the board of directors or board of trustees. She wants to write them a thank-you note, so you need to locate them To retrieve only those records that include people who have served on the board of trustees or on the board of directors, what clause do you include in your query? WHERE Board_Member = "TRUE" OR Trustee = "TRUE" ○ WHERE Board_Member = TRUE, Trustee = TRUE ○ WHERE Board_Member = TRUE AND Trustee = TRUE ○ WHERE Board_Member = "TRUE" AND Trustee = "TRUE" Correct
 To retrieve only those records that include people who have served on the board of trustees or on the board of directors, the correct query is: COM Donation_Form_List |ERE Board_Member = "TRUE" OR Trustee = "T 8. Scenario 2, Questions 8-13 Your company's direct-mail campaign was very successful, and Food Justice Rock Springs has continued partnering with Directly Dynamic. One thing you've been working on is assigning all donors identification numbers. This will enable you to clean and organize the lists more effectively. Meanwhile, another team member has been creating a prospect list that contains data about people who have indicated interest in getting involved with Food Justice Rock Springs. These people are also assigned a unique ID. Now, you need to compare your donor list with the dataset in your database and collect certain data from both. \\ What SQL function will return all records from the left table and only the matching records from the right? LEFT JOIN O INNER JOIN RIGHT JOIN OUTER JOIN **⊘** Correct A LEFT JOIN function will return all records from the left table and only the matching records from the right. 9. Scenario 2, continued 1/1 point Your next task is to identify the average contribution given by donors over the past two years. Tayen will use this information to set a donation minimum for inviting donors to an upcoming event. You have performed the calculations for 2019, so now you move on to 2020. To return average contributions in 2020 (contributions_2020), you use the AVG function. You use the following section of a SQL query to find this average and store it in the AvgLineTotal variable: AVG(contributions_2020) AS AvgLineTotal True ○ False Correct
 To return average contributions in 2020, the correct portion of the SQL query is:
 AVG(contributions_2020) AS AvgLineTotal 10. Scenario 2, continued 1/1 point Now that you provided her with the average donation amount, Tayen decides to invite 50 people to the grand opening of a new community garden. You return to your New Donor List spreadsheet to determine how much each donor gave in the past two years. You will use that information to identify the 50 top donors and invite them to the event. What syntax adds the contribution amounts in cells O2 and P2? Select all that apply. =02,P2 =(O2/P2) SUM(02,P2) **⊘** Correct To add cells O2 and P2, use the function =SUM(O2,P2). You can also use the formula =O2+P2. ✓ =02+P2 Correct To add cells O2 and P2, use the function =SUM(O2,P2). You can also use the formula =O2+P2. 11. Scenario 2, continued 1/1 point Tayen informs you that she's thinking about inviting anyone who donated at least \$100 in 2018, as well. However,she only has five open spaces. She asks you to report how many people gave at least \$100 so she can determine if they can also be invited to the event. Which spreadsheet function do you use to count how many donations of \$100 or greater appear in Column O (Contributions 2018)? O SUMIF COUNTIF ○ TOTAL MAX ✓ Correct To count how many donations of \$100 or greater appear in Column Q, you use the COUNTIF function. The correct syntax is =COUNTIF(O2:O210,">=100"). 12. Scenario 2, continued 1/1 point The community garden grand opening was a success. In addition to the 55 donors Food Justice Rock Springs invited, 20 other prospects attended the event. Now, Tayen wants to know more about the donations that came in from new prospects compared to the original donors. This SQL query can be used to identify the percentage of contributions from prospects compared to total event_contributions,
Total_donors,
Total_prospects,
(Total_prospects / Total_donors * 100) AS Prospects_Percent
FROM contributions_data True ○ False CorrectThe correct query is: event_contributions,
Total_donors,
Total_prospects,
(Total_prospects / Total_donors * 100) AS Prospects_Percent
FROM contributions_data 13. Scenario 2, continued Your team creates a highly effective prospects list for Food Justice Rock Springs. After a few months, many of these prospects become donors. Now, Tayen wants to know the top three cities in which these new donors live. She will use that information to determine if it's still true that people who live closer to Rock Springs are more likely to donate. To retrieve the number of donors in each city, sorted high to low, you use the following query: SELECT COUNT(DonorID), City
FROM new_donor_list
GROUP BY City
ORDER BY COUNT(DonorID) ASC True ○ False Review the section on SQL queries and calculations $\ \ \, \square$ for a refresher.

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