← Back Street Control Cont

Mastering spreadsheet basics Congratulations! You passed! Structured Query Language (SQL) Go to next item **Data visualization** *Weekly challenge 4* Quiz • 40 min Reading: Glossary: Terms and definitions **Review Learning Objectives** 10 min 1. In row 1 of the following spreadsheet, the words *rank*, *name*, *population*, and *county* are called what? 1/1 point Quiz: *Weekly challenge 4* 8 questions A Submit your assignment C County Charlotte 885,708 Mecklenburg Raleigh 474,069 Wake (seat), Durham Receive grade Greensboro Your grade 296,710 Guilford 4 To Pass 80% or higher 278,993 Durham (seat), Wake, Orange Winston-Salem 247,945 Fayetteville 211,657 Cumberland 8 7 🖒 Like Cafy Dislike Report and issue Wake, Chatham

123,784

112,791 96,341 New Hanover

Cabarrus

Guilford, Randolph, Davidson, Forsyth

Wilmington

High Point

Concord

Try again

View Feedback

We keep your highest score

CharacteristicsDescriptorsCriteriaAttributes

⊘ Correct

11 10

2. Fill in the blank: In row 8 of the following spreadsheet, you can find the _____ of Cary. 0/1 point

-	Α	В	С	E
1	Rank	Name	Population	County
2	1	Charlotte	885,708	Mecklenburg
3	2	Raleigh	474,069	Wake (seat), Durham
4	3	Greensboro	296,710	Guilford
5	4	Durham	278,993	Durham (seat), Wake, Orange
6	5	Winston-Salem	247,945	Forsyth
7	6	Fayetteville	211,657	Cumberland
8	7	Cary	170,282	Wake, Chatham
9	8	Wilmington	123,784	New Hanover
10	9	High Point	112,791	Guilford, Randolph, Davidson, Forsyth
11	10	Concord	96,341	Cabarrus

observationdatasetcriteriaformat

⊗ Incorrect
 Review <u>the video on columns, rows, and cells</u>
 □

3. Fill in the blank: In the following spreadsheet, the feature sort range can be used to ______ the city names in column B?

-	Α	В	С	D
1	Rank	Name	Population	County
2	7	Cary	170,282	Wake, Chatham
3	1	Charlotte	885,708	Mecklenburg
4	10	Concord	96,341	Cabarrus
5	4	Durham	278,993	Durham (seat), Wake, Orange
6	6	Fayetteville	211,657	Cumberland
7	3	Greensboro	296,710	Guilford
8	9	High Point	112,791	Guilford, Randolph, Davidson, Forsyth
9	2	Raleigh	474,069	Wake (seat), Durham
10	8	Wilmington	123,784	New Hanover
11	5	Winston-Salem	247.945	Forsyth

deletechangealphabetizerandomize

⊘ Correct

4. A data analyst types =POPULATION(C2:C11) to find the average population of the cities in this spreadsheet. However, they realize they used the wrong formula. What syntax will correct this function?

1 / 1 point

-	Α	В	С	D
1	Rank	Name	Population	County
2	1	Charlotte	885,708	Mecklenburg
3	2	Raleigh	474,069	Wake (seat), Durham
4	3	Greensboro	296,710	Guilford
5	4	Durham	278,993	Durham (seat), Wake, Orange
6	5	Winston-Salem	247,945	Forsyth
7	6	Fayetteville	211,657	Cumberland
8	7	Cary	170,282	Wake, Chatham
9	8	Wilmington	123,784	New Hanover
10	9	High Point	112,791	Guilford, Randolph, Davidson, Forsyth
11	10	Concord	96,341	Cabarrus

=AVERAGE(C2:C11)
 AVERAGE(C2:C11)
 =AVERAGE(C2-C11)
 AVERAGE(C2-C11)
 Correct

5. You are working with a database table named *employee* that contains data about employees. You want to review all the columns in the 1/1 table.

You write the SQL query below. Add a FROM clause that will retrieve the data from the employee table.

1 SELECT *
2 FROM employee

What is the job title of Andrew Adams?

Sales Manager

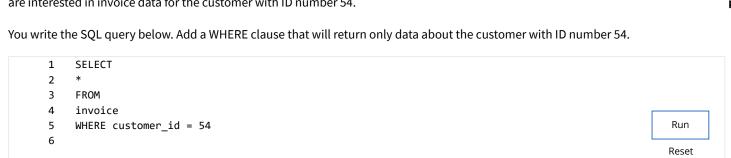
General Manager

O Sales Support Agent

O IT Manager

⊘ Correct

6.You are working with a database table that contains invoice data. The *customer_id* column lists the ID number for each customer. You are interested in invoice data for the customer with ID number 54.



After you run your query, use the slider to view all the data presented.

What is the billing address for the customer with ID number 54?

230 Elgin St

1033 N Park Ave

801 W 4th St

110 Raeburn Pl

Correct
The clause WHERE customer_id = 54 will return only data about the customer with ID number 54.
The complete query is SELECT * FROM invoice WHERE customer_id = 54. The WHERE clause filters results that meet certain conditions. The WHERE clause includes the name of the column, an equals sign, and the value(s) in the column to include. The billing address for the customer with ID number 54 is 110 Raeburn Pl.

7. A data analyst wants to create a visualization that depicts the populations of the top ten most populous cities in North Carolina. What type of chart would be best for this?

North Carolina. What type of chart would be best for this?

A pie chart

A line chart

A column, or bar, chart

A scatter chart

Correct

8. Fill in the blank: A data analyst has to demonstrate how the population in a city has increased over time. In particular, they want to be able to see when the population has exceeded certain thresholds. The chart that would

○ area○ bar○ column● line

⊘ Correct

work best for this is a/an ____ chart.