Due Jan 29, 11:59 PM IST

Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

Go to next item

1 / 1 point

1.	The column attributes for rank,	name, popu	lation, and county	are located in which row of th	e following spreadsheet?

	A	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
۵	0	Wilmington	122 704	New Hanover

0	11	
0	10	

O 2

1

⊘ Correct

The column attributes for rank, name, population, and county are located in row 1. An attribute is a characteristic or quality of data used to label a column in a table.

2. In the following spreadsheet, the observation of Greensboro describes all of the data in row 4.

1/	1 pc	oint

	A	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

() Tr	ue
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O False

⊘ Correct

The observation of Greensboro describes all of the data in row 4. An observation is all of the attributes for something contained in a row of a data table.

 $\textbf{3.} \quad \text{In the following spreadsheet, what feature was used to alphabetize the city names in column B?}$

1		

	A	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

	Name range
(Sort range
	Organize range
) Randomize range
	Correct Sort range was used to alphabetize the city names in column B. Sorting a range of data from A to Z helps data analysts organize and find data more quickly.

4. To find the average population of the cities in this spreadsheet, you type =AVERAGE. What is the proper way to type the range that will complete your function?

1 / 1 point

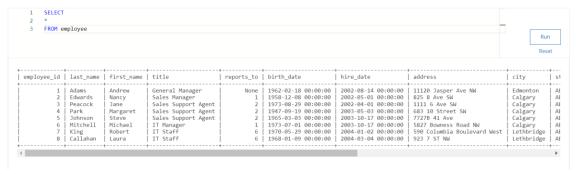
	A	В	С	D
1	Rank	Name	Population	County
2	1	Charlotte	885,708	Mecklenburg
3	2	Raleigh	474,069	Wake (seat), Durham
4	3	Greensboro	296,710	Guilford
5	4	Durham	278,993	Durham (seat), Wake, Orange
6	5	Winston-Salem	247,945	Forsyth
7	6	Fayetteville	211,657	Cumberland
8	7	Cary	170,282	Wake, Chatham
9	8	Wilmington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

⑥ C2:C11	
O c2-C11	
O c2,c11	
○ c3,c11	
○ Correct The range is C2:C11. The full AVERAGE function syntax is =AVERAGE(C2:C11). AVERAGE returns an average of values from a selected range. C2:C11 is the specified range.	

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

1/1

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



What employee has the job title of Sales Manager?

Michael Mitchell

Margaret Park

Andrew Adams

Nancy Edwards

Correct

The clause FROM employee will retrieve the data from the employee table. The complete query is SELECT * FROM employee. The FROM clause specifies which database table to select data from. The employee Nancy Edwards has the job title of Sales Manager.

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 28.

1 / 1 point

You write the SQL query below. Add a WHERE clause that will return only data about the customer with ID number 28.

2	SELECT *								
3	FROM								
4	invoic	e							Run
5	WHERE	customer_id =	28						
		_							Reset
	+				+	+	+	+	+
invoi	ce_id	customer_id	invoice_date	billing_address	billing_city	billing_state	billing_country	billing_postal_code	total
	71	28	2009-11-07 00:00:00	302 S 700 E	Salt Lake City	l ut	USA	84102	1.98
	82	28	2009-12-18 00:00:00	302 S 700 E	Salt Lake City		USA	84102	13.86
	137	28	2010-08-18 00:00:00	302 S 700 E	Salt Lake City	UT	USA	84102	8.91
	266	28	2012-03-24 00:00:00	302 S 700 E	Salt Lake City	UT	USA	84102	1.98
	289	28	2012-06-26 00:00:00	302 S 700 E	Salt Lake City	UT	USA	84102	3.96
	311	28	2012-09-28 00:00:00	302 S 700 E	Salt Lake City	UT	USA	84102	11.94
	363 İ	28	2013-05-19 00:00:00	302 S 700 E	Salt Lake City	Lux	USA	84102	0.99

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

What is the billing city for the customer with ID number 28?

O Buenos Aires

Salt Lake City

Oijon

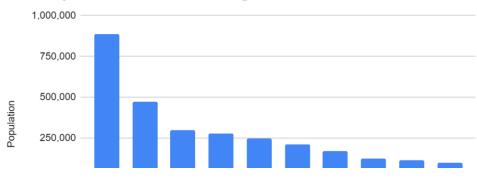
O Bangalore

⊘ Correct

The clause WHERE customer_id = 28 will return only data about the customer with ID number 28. The complete query is SELECT * FROM invoice WHERE customer_id = 28. 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 city for the customer with ID number 28 is Salt Lake City.

7. A data analyst creates the following visualization to clearly demonstrate how much more populous Charlotte is than the next-largest North Carolina city, Raleigh. What type of

The Populations of the 10 Largest North Carolina Cities



- O A scatter chart
- O A line chart
- O A pie chart
- A column, or bar, chart

Correct
The chart is a column chart. A column chart is effective at demonstrating the differences between several items in a specific range of values.

8. A data analyst wants to demonstrate how the population in Charlotte has increased over time. They create this data visualization. This is an example of an area chart.

1/1 point

Charlotte, NC, yearly population increase 1995-2020



O True

False

This is a line chart. Line charts are effective for illustrating trends and patterns, such as how population changes over time.