Data Formats and Streaming Data Quiz



9/9 得分 (100%)

测验通过!

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1/1分

1.

What is true between data modeling and the formatting of the data?



The data does not necessarily need to be formatted in a way that represents the data model. Just so long as it can be extrapolated.



正确

For more information related to this concept, please click here.

- There is always one specific schema for storing model data that is the best and preferred method for the specific data representation.
- There is a one to one correspondence between formatting data and data modeling. For every model of data, there is only one way to store the data.



2.

What is streaming?

- Calculating results using real time data otherwise known as streaming data.
- Using static data stored from a real time source in order to process and guide the application.
- Utilizing real time data to compute and change the state of an application continuously.



正确

For more information related to this concept, please click here.

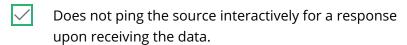
Using sensors to manipulate the system, such as a smart car being able to drive by itself using sensors to detect road hazards.



1/1分

3.

Of the following, what best describes the properties of working with streaming data?





正确

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Data manipulation is near real time.

正确

For more information related to this concept, please click here.

<u> </u>	Small time windows for working with data.		
正确 For r here	more information related to this concept, please click		
	Always unbounded in sequence, in other words, data is not guaranteed to be in order.		
未选择的是正确的			
	Independent computations that do not rely on previous or future data.		
正确 For r here	more information related to this concept, please click		
	Data is always utilized for streaming the application.		
未选择的是正确的			
✓	1/1分		
•	4. What is a characteristic of streaming data?		
	Data is unbounded in size but requires only finite time and space to process it.		
正确 For r here	more information related to this concept, please click		
	The data is finite and requires only finite time and space to process the data.		

	The data is unbounded in size and the size determines the time and space of processing the data.
	Data is finite in size and size determines the time and space of processing the data.
~	1/1分
5。 What t	ype of algorithm is required for analyzing streaming data?
\bigcirc	Accurate and Consistent
	Fast and Simple
正确 For here	more information related to this concept, please click e.
	Accurate and Memory Efficient
	Fast and Complex
~	1/1分
6 . What i	s lambda architecture?
	A method to process streaming data by utilizing batch processing and real time processing.
正确 For here	more information related to this concept, please click e.
\bigcirc	A specific hardware architecture for a server made specifically for processing real time data.

	A specific method for processing streaming data using special real time processes.
✓ 7.	1/1分
Of the	following, which best represents the challenge regarding the d frequency of data?
	There may not be data to produce the notion of size and frequency.
	The size and frequency of the streaming data may be sporadic.
正确 For r here	more information related to this concept, please click
	The size and frequency of the streaming data may be too small.
~	1/1分
8。 What is	s the difference between data lakes and data warehouses?
	Data lakes house raw data while data warehouses contain pre-formatted data.
正确 For r here	more information related to this concept, please click
	Data lakes contain only files than data warehouses contain only databases.
	Data lakes utilize hierarchical systems while data warehouses use object storage.

	1/1分
)。 Vhat is	schema-on-read?
	The process where data is pre-formatted prior to being read but the schema is loaded on read.
	The process where formatted data is given structure when read.
	Data is stored as raw data until it is read by an application where the application assigns structure.
正确 For n here.	nore information related to this concept, please click
	Another name for data lakes.

