Your grade: 85.71%

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1.	Which of the following statements is true about a directed acyclic graph (DAG)? Select all that apply.	1/1 point
	A tabular data structure with rows and columns	
	☑ In Apache Spark, RDDs are represented by the vertices	
	Correct Correct! In Apache Spark, RDDs are indeed represented by the vertices of a DAG, while directed edges represent transformations and actions.	
	A data structure with edges and vertices	
	Correct! DAGs are graphical structures with edges and vertices.	
	A new edge is obtained from an older vertex	
	Correct Correct! Every new edge in a DAG is derived from an existing vertex, reflecting the directional relationship between elements.	
2.	Which function is applied to create a data set from a sequence?	1/1 point
	○ seqDS()	
	o toDS()	
	O DSRdd()	
	Create()	
	Correct Correct! You can utilize the 'toDS()' function to create a data set from a sequence in Apache Spark.	
3.	Which of the following is a feature of Tungsten?	1/1 point
	Utilizes CPU registers for storing intermediate data	
	O Depends on the JVM object model	
	Enhances security by restricting developers from adding data source-specific rules	
	Generates an optimized physical query plan from the logical query plan	
	Correct Correct! Tungsten leverages CPU registers to efficiently store and process intermediate data.	
4.	While adhering to best practices, in what order does a typical data engineer perform operations on Apache Spark?	1/1 point
	Read, analyze, transform, load, and write	
	Read, analyze, load, transform, and write	
	Analyze, read, transform, load, and write	
	Analyze, read, load, transform, and write	
	Correct Correct! Read, analyze, transform, load, and write is the order in which a typical data engineer performs Extract, Transform, and Load (ETL) operations on Anacha Spark	