Your grade: 71.42%

Your latest: **71.42**% • Your highest: **71.42**% • To pass you need at least 70%. We keep your highest score.

Next item $\, o \,$

1.	What are the three main components of Apache Spark architecture?	1/1 point
	Mesos; YARN; Kubernetes	
	O Scala; Java; Python	
	Data; compute interface; resource management	
	O Storage; HDFS; Python	
	 Correct Correct! The three main components of Apache Spark architecture are data, compute interface, and resource management. 	
_	What are Date Formers in America Count?	0/4
2.	What are DataFrames in Apache Spark?	0 / 1 point
	DataFrames are a distributed collection of data organized into named columns.	
	DataFrames are Spark's built-in machine learning models for predictive analytics.	
	DataFrames is a data format for storing graph data structures in Spark.	
	O DataFrames is a distributed file system in Spark used for storing large data sets efficiently.	
	Name of the Spark SQL and DataFrames video.	
,	What is Anacha Snayl?	4/4
3.	What is Apache Spark?	1/1 point
	In-memory framework for distributed data processing	
	O Classification of the control of t	
	Closed-source data analysis tool	
	Cloud storage service	
	 Correct Correct! Spark is an open-source, in-memory application framework for distributed data processing and iterative analysis on massive data volumes. 	
4.	What is functional programming?	1/1 point
	A programming method that prioritizes procedural programming over the use of mathematical functions	
	A programming approach that focuses solely on graphical functions and visual designs	
	A programming approach that emphasizes the <i>how to</i> of the solution as opposed to the <i>what</i> of the solution	
	A style of programming that follows the mathematical function format	
	Correct! In functional programming, the code or program emphasizes the <i>what</i> of the solution instead of the <i>how to</i> of the solution.	
5.	Which of the following statements defines Resilient Distributed Datasets (RDDs)? Select all that apply.	1/1 point
	RDD is a distributed database management system.	
	✓ RDDs are immutable.	

	Correct Correct! RDDs are immutable, meaning these databases cannot be changed once created.	
	RDD is a collection of fault-tolerant elements.	
	 Correct Correct! RDD is a collection of fault-tolerant elements partitioned across the cluster's nodes. 	
	RDD is capable of receiving parallel operations.	
	Correct! RDDs are capable of receiving parallel operations.	
6.	What is the primary purpose of parallel programming?	1/1 point
	O To break a problem into discrete parts that can be solved sequentially	
	O To employ specific control and coordination mechanism	
	O To run noncontemporary instructions	
	To use multiple compute resources to solve a computational problem	
	 Correct Correct! Parallel programming uses multiple compute resources to solve a computational problem. 	
7.	Which of the following is a benefit of DataFrames?	0/1 point
	O To scale from kilobytes of data on a single laptop to petabytes on a large cluster	
	To scale from kilobytes of data on multiple laptops to petabytes on a large cluster	
	O Supports specific data formats and storage systems	
	O To scale small-scale data on a laptop	