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•	Congratulations! You passed! Grade received 100% To pass 70% or higher	Go to next item
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Tot	otal points 6	
1.	• Suppose you want to use Machine Learning to classify sentiments of product reviews. The model inputs will be the product reviews text and the predicted sentiment, positive or negative. In a typical ML workflow there are 3 main steps:	e output 1/1 point
	Train and tune the machine learning model Deploy and monitor the trained model	
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	III, I, IIIII, I, II	
	○ 1, II, III○ III, II, I	
	○ I, III, II	
	Correct! The machine learning workflow includes the phases that are implemented during a project that enables the system to learn and from experience without being explicitly programmed Week 1	improve
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2.		can store? 1/1 point
	Yes, data lakes only support unstructured and semi-structured data types. Yes, data lakes only support structured data.	
	Yes, data lakes only support unstructured data.	
	No, data lakes support all data types including structured relational data, semi-structured data, and unstructured data.	
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3.	 Amazon Simple Storage Service (Amazon S3) is a public cloud object storage service that allows users to store and retrieve any amount of data time. 	at any 1/1 point
	Select the tool that you would use to register and discover data in Amazon S3.	
	AWS Data Wrangler Amazon Redshift	
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	Correct Correct! AWS Glue is a serverless data integration service that makes registering, discovering, preparing, and combining data easy for anal and machine learning.	alytics
4.	• Amazon Athena provides great flexibility to run queries without adding any complexity to your project. Moreover, it is a very fast service and yo return results in a matter of seconds, even on large datasets. Which of the following facts is NOT true about Amazon Athena?	our queries 1/1 point
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	O No infrastructure is needed to set up Amazon Athena.	
	Amazon Athena does not require the AWS Glue Data Catalog to register and query S3 data.	
	Correct That's right! When you register an Amazon Athena table with your S3 data, Athena uses the AWS Glue Data Catalog to store the schema are to-S3 mapping.	nd table-
<		
	☐ It extends the power of the NumPy library to AWS.	
	It connects pandas dataframes and other AWS services.	
	 ✓ Correct Correct! You can read more about AWS Data Wrangler <u>here</u>. 	
	✓ It extends the power of the pandas library to AWS.	
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	It can be used for loading and unloading data from data lakes and databases.	
	✓ Correct That's right! You can read more about AWS Data Wrangler here.	
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	Task 2 : A business has experienced a huge surge in the number of customers. To improve customer support and engagement, you are asked to chatbot.	build a
	Task 3: To simplify paperwork and time, you are asked to automate an employee expense system by building an image scanning system for expreceipts.	pense
	Which of these will you treat as Natural Language Processing (NLP) problems?	
	Tasks 1 and 3Task 1 only	
	Tasks 1 and 2	
	O All 3 tasks	
	✓ Correct Correct! NLP is appropriate for text summarization task (Task 1) and an NLP-based Chatbot that uses text or sound can be used for custor	mer

support (Task 2).