Grade received 100% To pass 70% or higher

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• Suppose you want to use Machine Learning to classify sentiments of product reviews. The model inputs will be the product reviews text and the output the predicted sentiment, positive or negative. In a typical ML workflow there are 3 main steps:	1/1 poin
there are 3 main steps: I. Train and tune the machine learning model	
II. Deploy and monitor the trained model	
III. Prepare the data	
What is the correct ordering of these steps?	
\bigcirc I, II, III	
\bigcirc III, II, I	
○ I, III, II	
III, I, II	
Correct! The machine learning workflow includes the phases that are implemented during a project that enables the system to learn and improve from experience without being explicitly programmed.	
Data lakes are enterprise storage solutions which can host virtually any amount of data. Are there any restrictions on the data types a data lake can store?	1 / 1 poir
Yes, data lakes only support unstructured data.	
No, data lakes support all data types including structured relational data, semi-structured data, and	
Unstructured data. Ves. data lakes only support structured data	
 Yes, data lakes only support structured data. Yes, data lakes only support unstructured and semi-structured data types. 	
Correct! A data lake stores data in its original format, without having to first structure the data.	
Amazon Simple Storage Service (Amazon S3) is a public cloud object storage service that allows users to store and retrieve any amount of data at any time.	1 / 1 poir
Select the tool that you would use to register and discover data in Amazon S3.	
O Amazon Redshift	
Amazon Athena AWS Clue	
AWS Glue AWS Data Wrangler	
✓ Correct	
Correct! AWS Glue is a serverless data integration service that makes registering, discovering, preparing, and combining data easy for analytics and machine learning.	
Amazon Athena provides great flexibility to run queries without adding any complexity to your project. Moreover, it is a very fast service and your queries return results in a matter of seconds, even on large datasets. Which of the following facts is NOT true about Amazon Athena?	1/1 poi
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.	
 It can be used to analyze data in Amazon S3 using standard SQL. It is an interactive query service. 	
✓ 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 and table-to-S3 mapping.	
. Within the AWS ecosystem, Data Wrangler is an agile service to load and unload data from data lakes and databases. What are other capabilities of this service? (Choose all that apply.)	1 / 1 poir
✓ It connects pandas dataframes and other AWS services.	
Correct! You can read more about AWS Data Wrangler here □.	
✓ It extends the power of the pandas library to AWS.	
☐ It extends the power of the NumPy library to AWS.	
 ✓ 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 .	
You work as a Machine Learning engineer in a company and are asked to develop algorithms to solve 3 tasks:	1 / 1 poin
Task 1 : You have a large dataset of unstructured text information. You are asked to convert/summarize this	-, - pon
Task 2: A business has experienced a huge surge in the number of customers. To improve customer support and	
engagement, you are asked to build a chatbot. Task 3: To simplify paperwork and time, you are asked to automate an employee expense system by building an	
image scanning system for expense receipts.	
Which of these will you treat as Natural Language Processing (NLP) problems?	
Tasks 1 and 2All 3 tasks	
Task 1 only	
O Tasks 1 and 3	
✓ 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 customer support (Task 2).