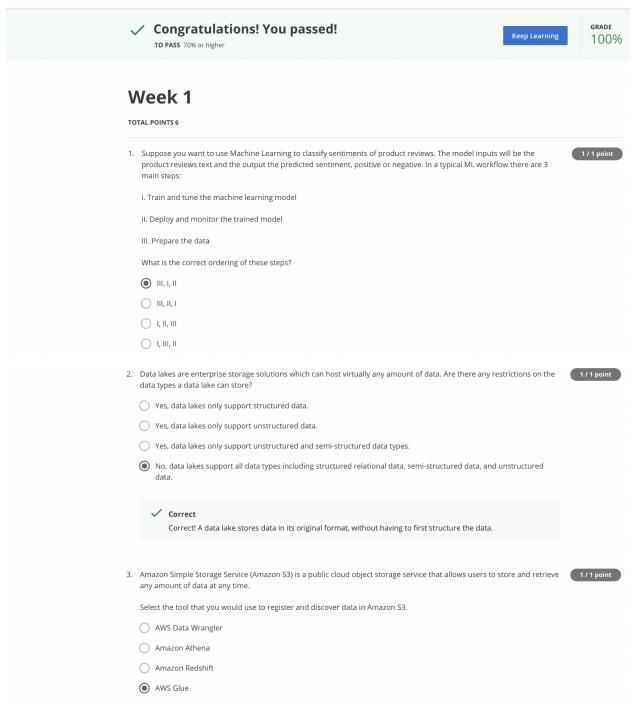
## **Practical Data Science Specialization**





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4	4. 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? No infrastructure is needed to set up Amazon Athena.	1 / 1 point
	Amazon Athena does not require the AWS Glue Data Catalog to register and query S3 data.	
	It is an interactive query service.	
	It can be used to analyze data in Amazon S3 using standard SQL.	
5	5. 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 point
	✓ It connects pandas dataframes and other AWS services.	
	✓ Correct Correct! You can read more about AWS Data Wrangler here.	
	It extends the power of the pandas library to AWS.	
	✓ Correct Great Job. You can read more about AWS Data Wrangler <u>here</u> .	
	✓ 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.	
	☐ It extends the power of the NumPy library to AWS.	
6.	. You work as a Machine Learning engineer in a company and are asked to develop algorithms to solve 3 tasks:	/ 1 point
	<b>Task 1</b> : You have a large dataset of unstructured text information. You are asked to convert/summarize this information into reports.	
	<b>Task 2</b> : 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.	
	<b>Task 3</b> : 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 3	
	○ All 3 tasks	
	Tasks 1 and 2	
	○ Task 1 only	
	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).	