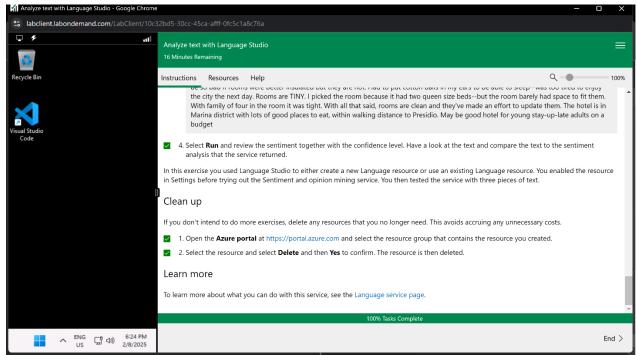
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Lab 03 on Skillable:





The "Module 03 Lab: Analyze Text with Language Studio" provided an insightful exploration of Natural Language Processing (NLP) capabilities within Azure Al-Language. Through hands-on experience, I gained a deeper understanding of how Al can process and interpret

human language, providing valuable sentiment analysis and opinion mining.

One of the most significant takeaways from this lab was understanding how Azure AI-Language Service can analyze text sentiment and extract meaningful insights from written reviews. By using Language Studio, I learned how AI assigns sentiment scores to text, categorizing them as positive, neutral, or negative. The confidence scores associated with each sentiment helped me grasp the accuracy and reliability of AI-driven text analysis.

Additionally, I explored how Azure allows users to configure and deploy AI resources seamlessly. Setting up a Language resource and integrating it with Language Studio provided me with a practical understanding of how to leverage Azure AI for various NLP tasks, such as sentiment analysis and key phrase extraction.

I encountered a few challenges. Initially, navigating the Azure portal and setting up the Language resource was slightly overwhelming due to the multiple configuration options available. Ensuring that the correct subscription, resource group, and region were selected required careful attention.

Another challenge was interpreting the sentiment scores correctly. Although the AI model assigned scores to different parts of the text, understanding how these scores correlated with the actual meaning of the reviews required deeper analysis. For instance, some reviews contained both positive and negative sentiments, making it necessary to examine sentence-level analysis rather than just relying on the overall document sentiment.

This lab experience reinforced the potential of AI-powered NLP in real-world applications. Businesses can utilize Azure AI-Language for customer feedback analysis, enabling them to make data-driven decisions based on sentiment trends. I also realized that AI is not

infallible; while the sentiment analysis was generally accurate, some nuances in human language might require additional context for precise interpretation.

Furthermore, I gained an appreciation for the importance of resource management within Azure. Deleting unused resources after completing the lab highlighted best practices for cost optimization and maintaining a clean workspace in the Azure portal.

Overall, this lab provided a valuable hands-on experience with Azure AI-Language Studio. I now feel more confident in using AI-driven NLP tools for text analysis and sentiment mining. Despite some initial challenges, the experience enhanced my understanding of AI's role in language processing and its practical applications in various industries.