



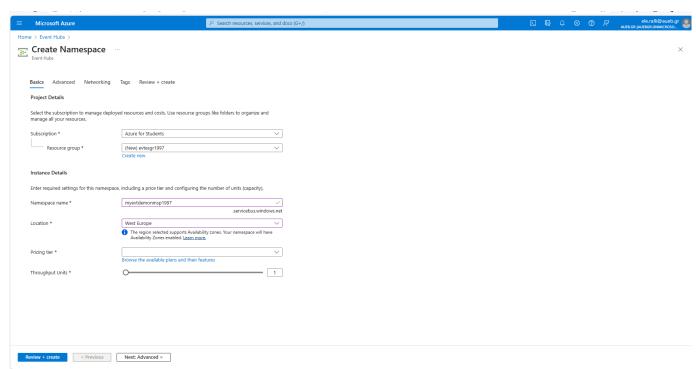


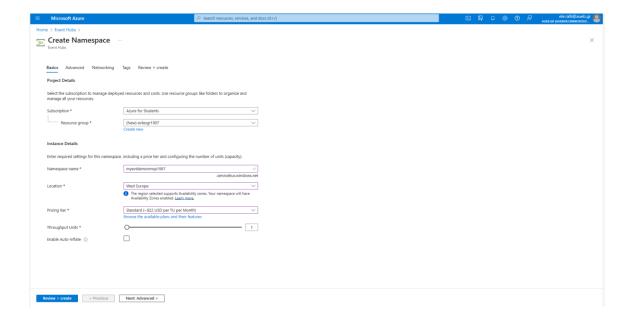
Data Management and Business Intelligence

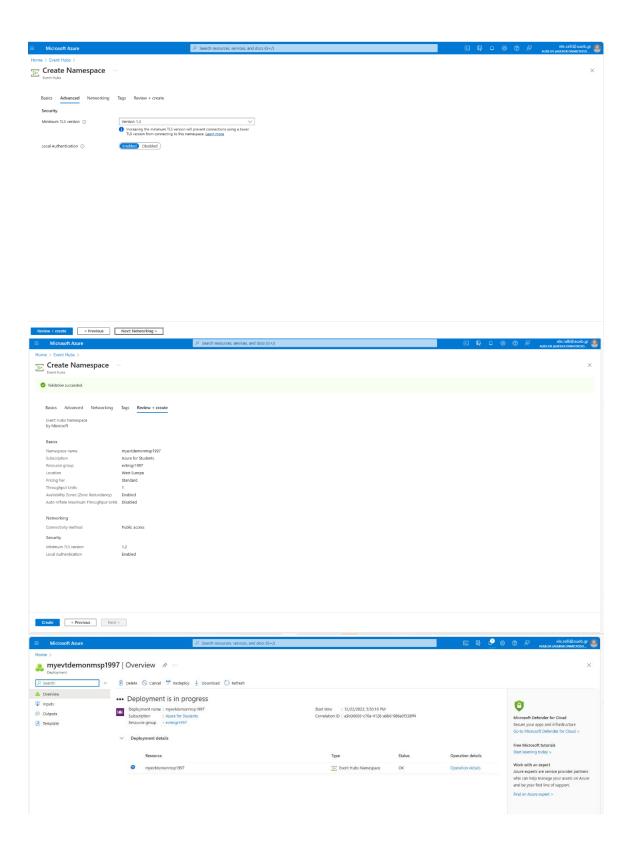
ELENI RALLI (f2822312)

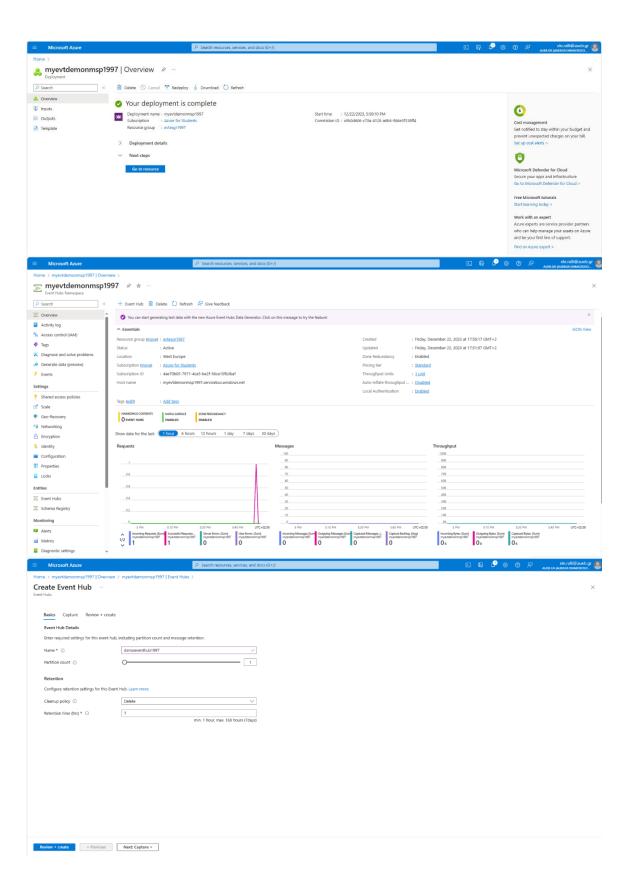
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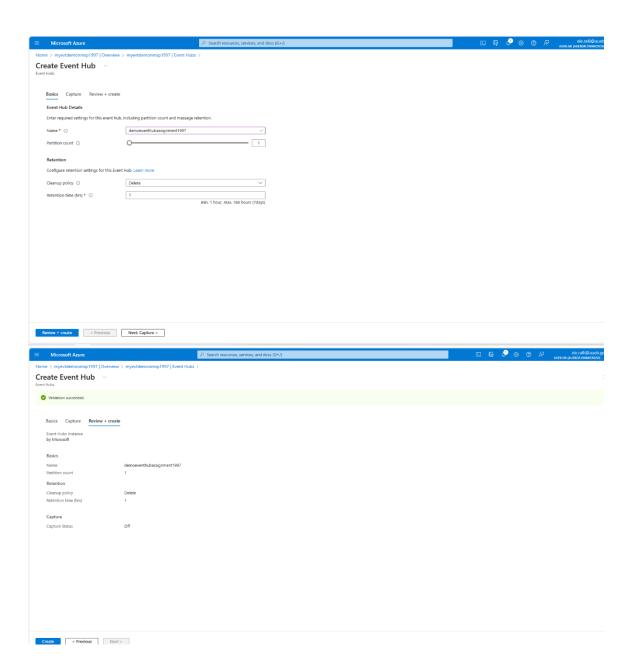
In this assignment, we will do a comprehensive exploration of Azure Stream Analytics, an advanced cloud-based platform designed for real-time data stream processing. Our objective is to utilize this technology to analyze a continuous flow of ATM transaction data. This task involves setting up and configuring various Azure services, including Event Hub for event ingestion, Blob Storage for data output, and Stream Analytics for real-time data processing. The core of our project lies in executing a series of complex queries on the streaming data to extract meaningful insights. These queries are designed to demonstrate the power and flexibility of Azure Stream Analytics in handling real-time data from various sources. We will integrate and analyze different data sets, including transactional data from ATMs, geographical information, and customer demographics. The ultimate goal is to showcase our proficiency in modern data management and business intelligence tools by effectively setting up the necessary environment, executing the queries, and interpreting the results. This assignment will be documented thoroughly through a series of screenshots, capturing each step of the process from account setup to query execution, thus providing a detailed roadmap of our journey through the intricacies of Azure Stream Analytics.

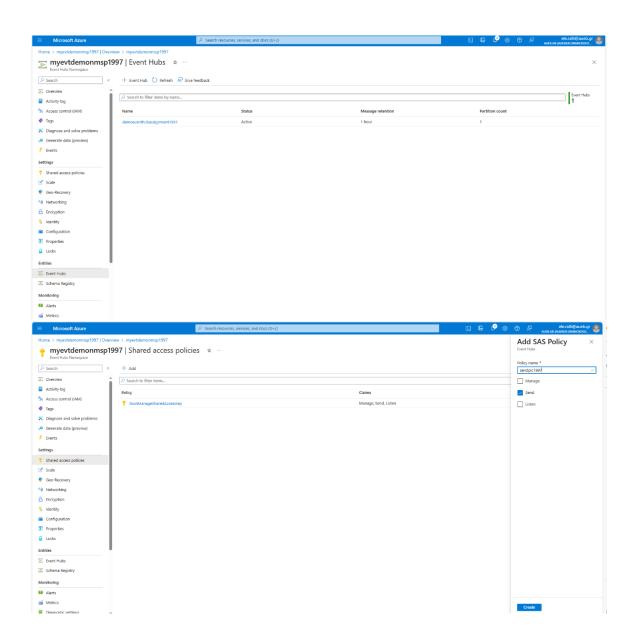


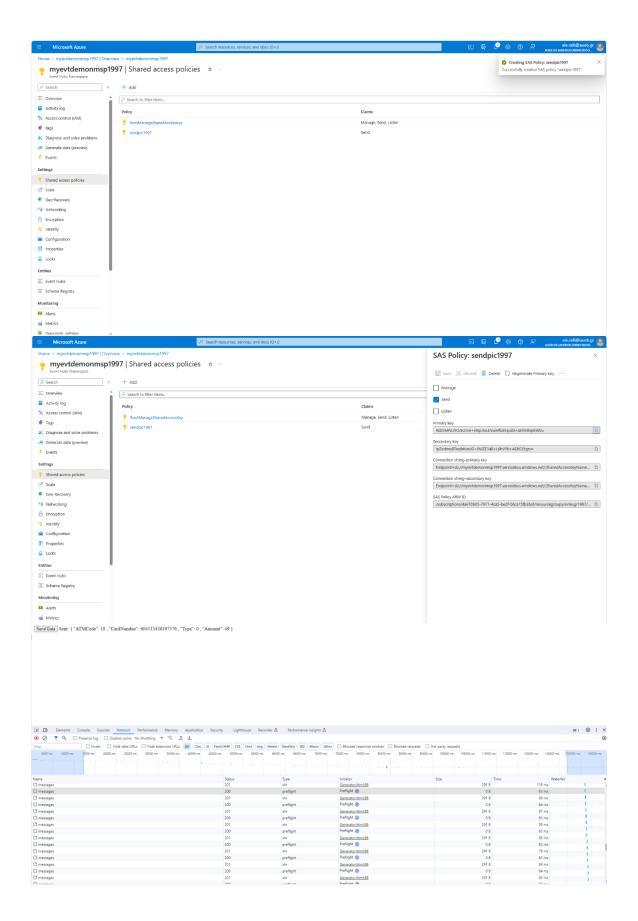


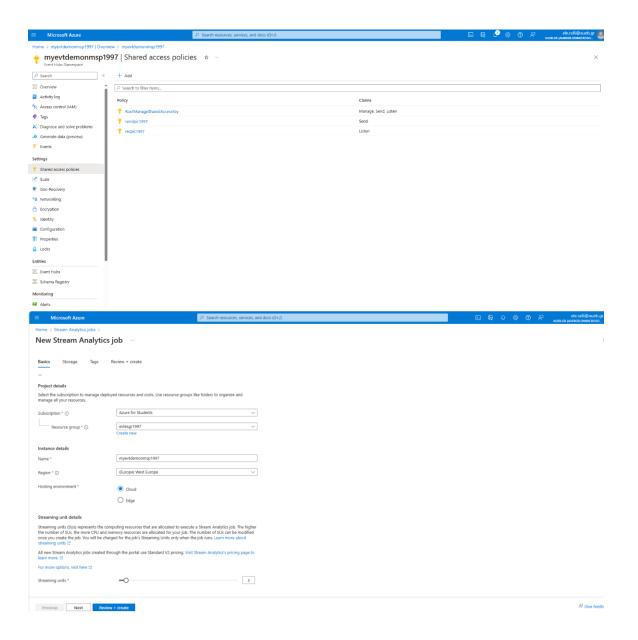




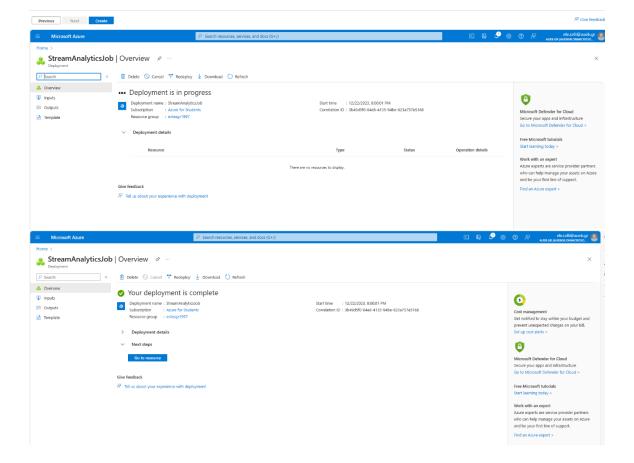


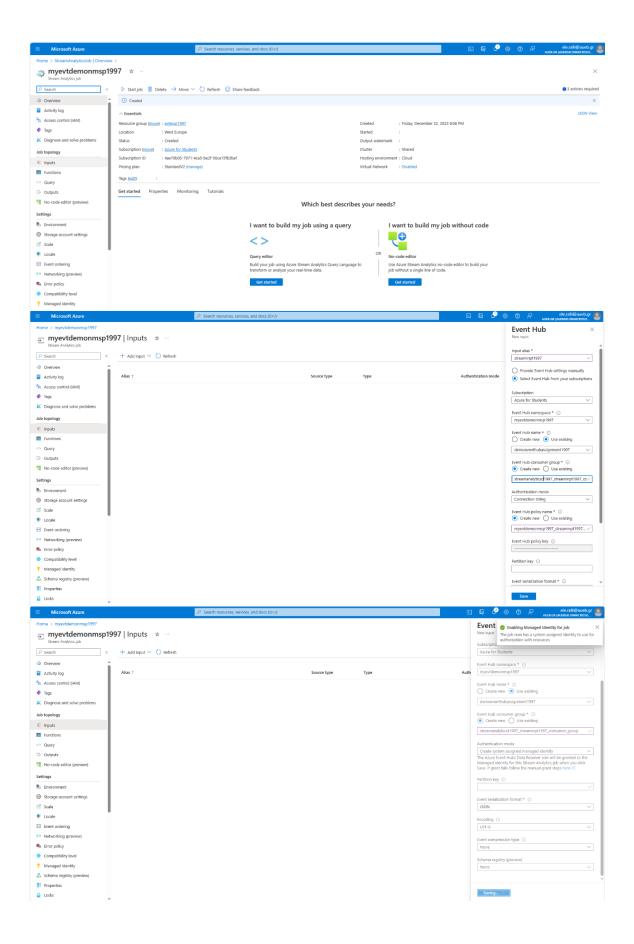


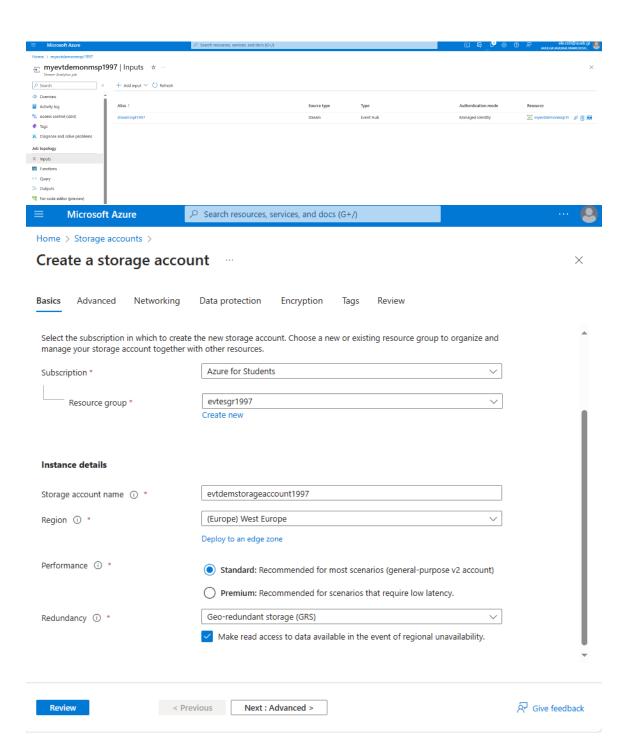


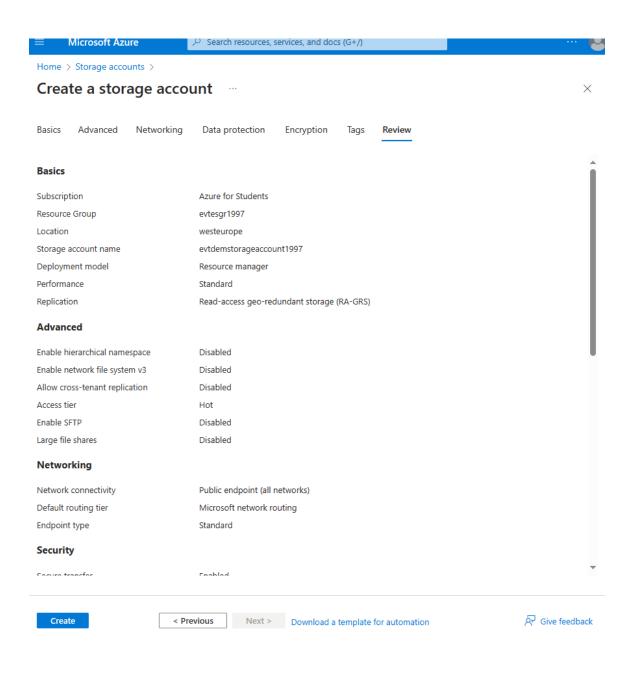


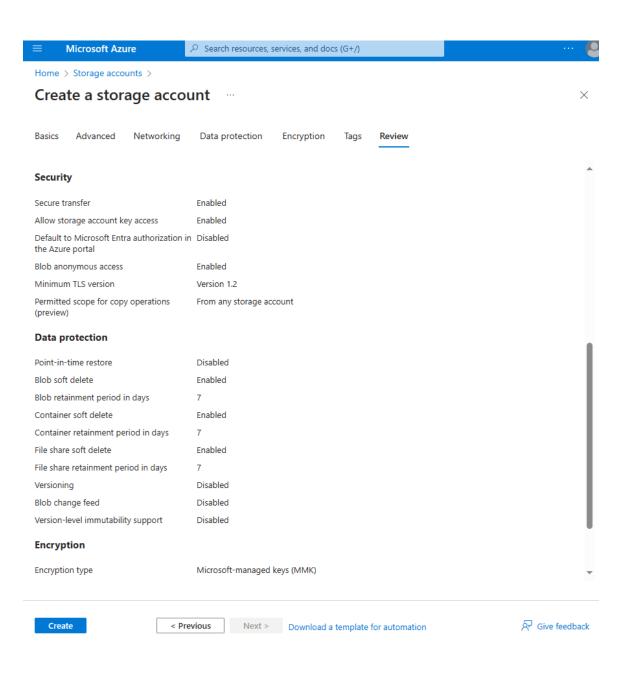


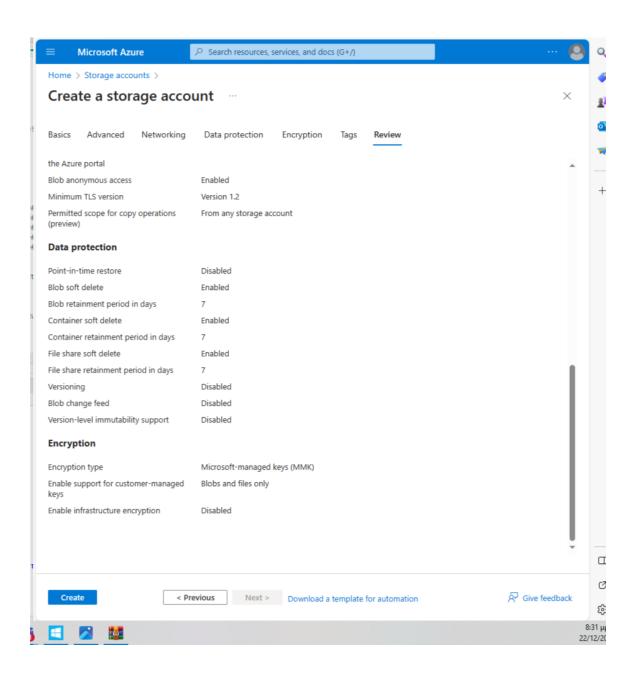


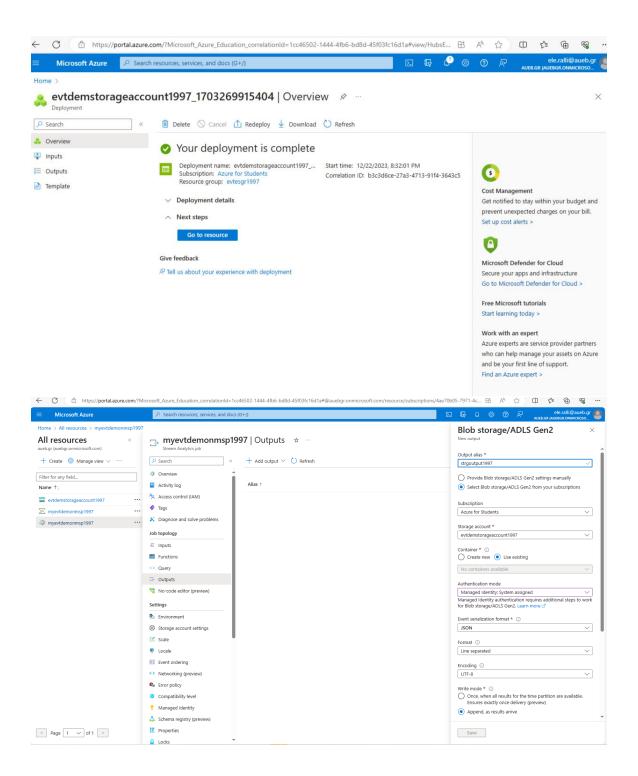


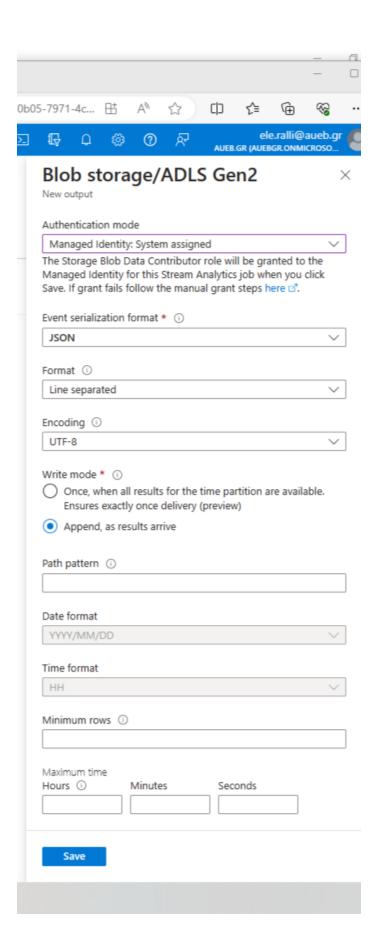


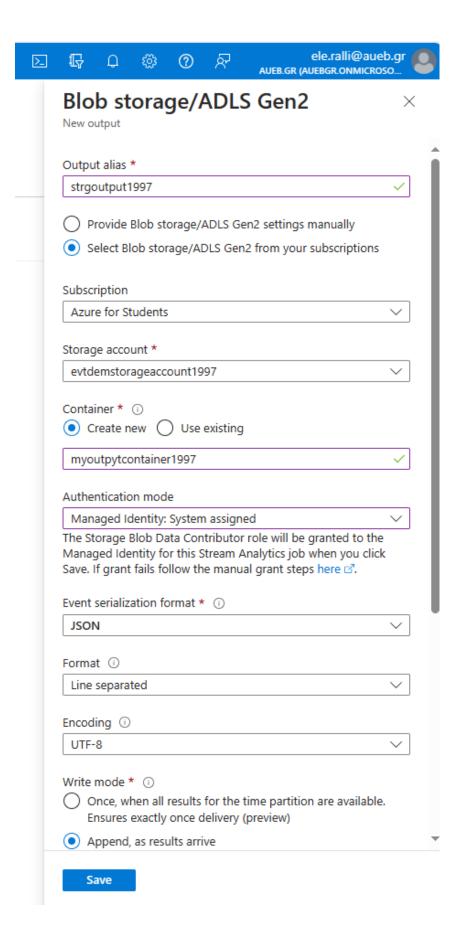


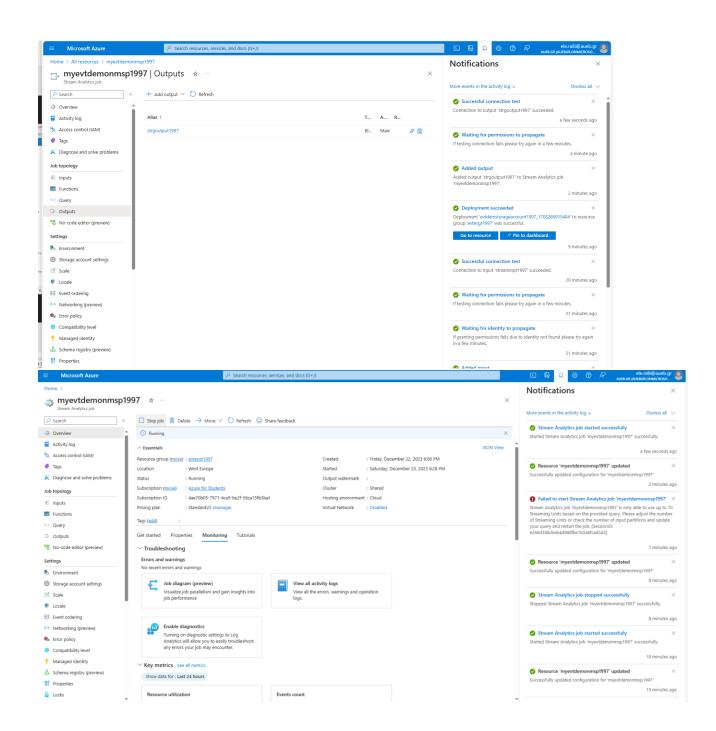


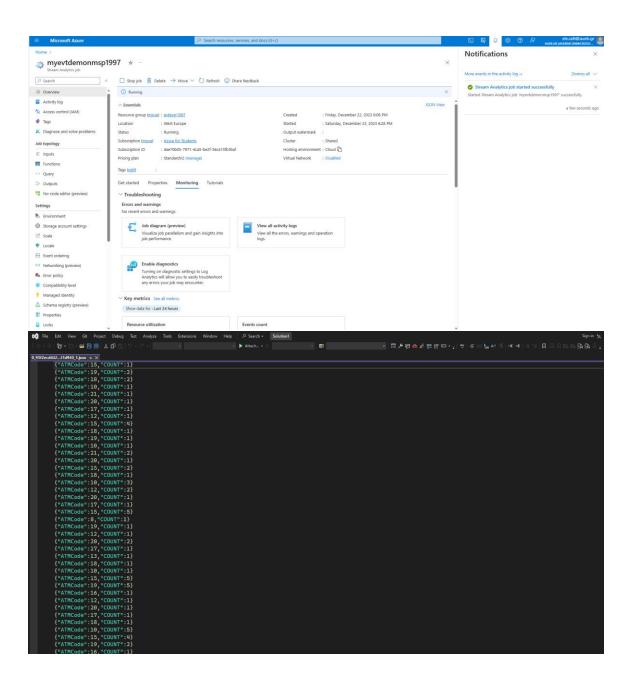


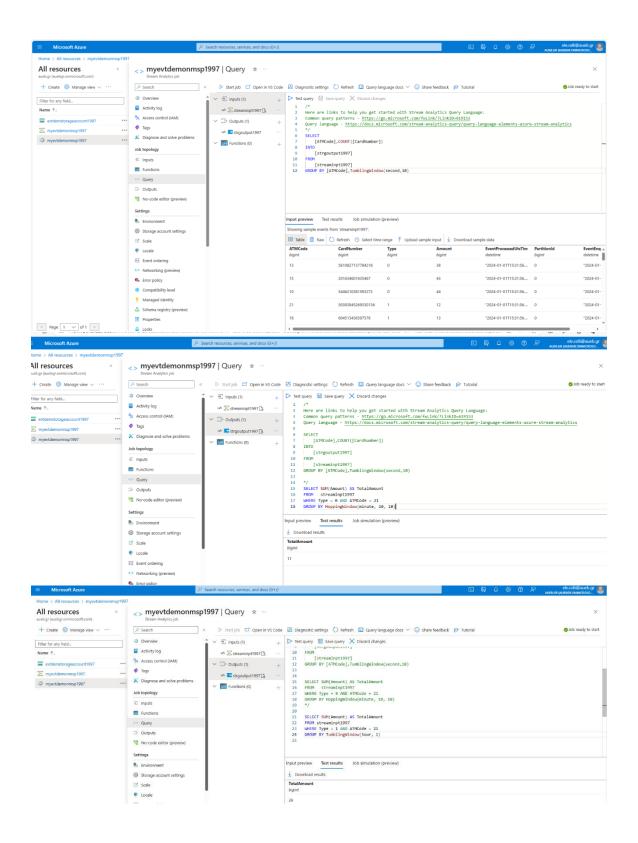


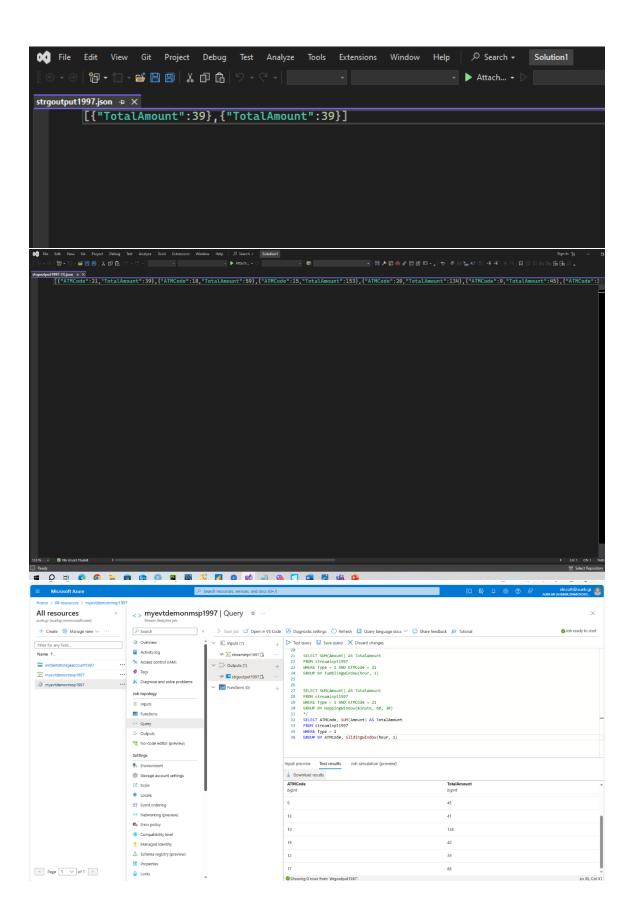


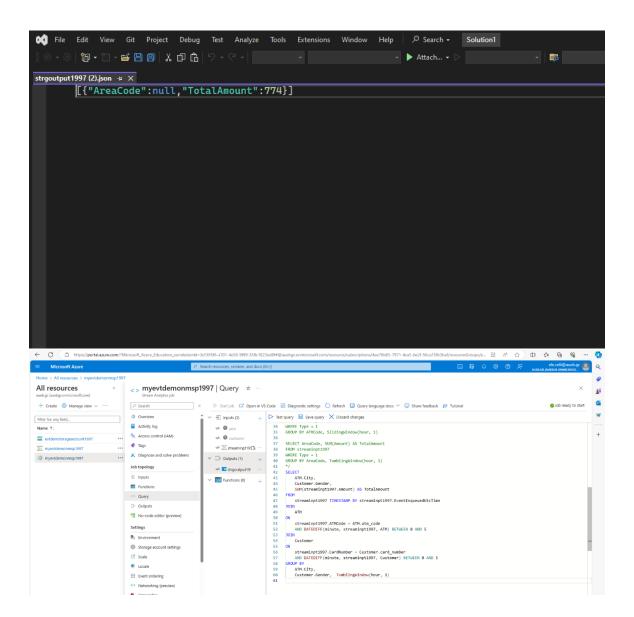


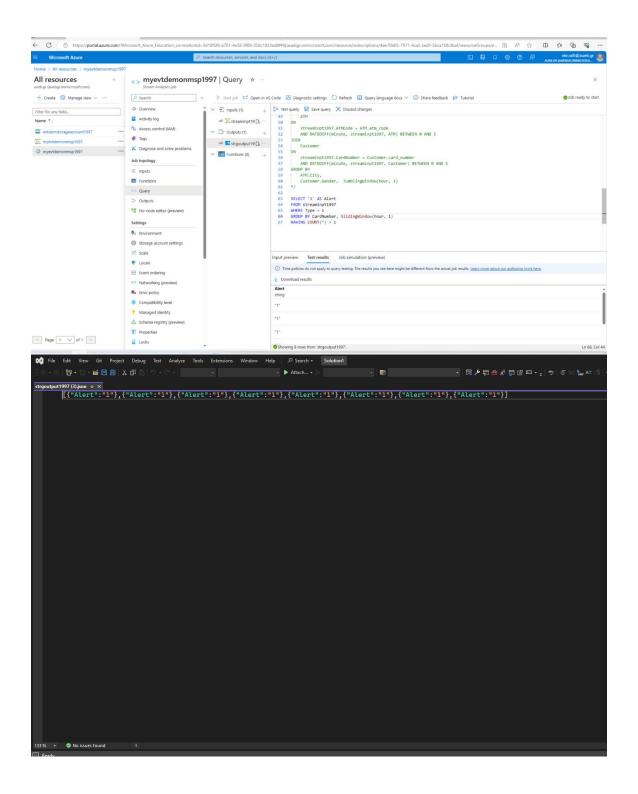


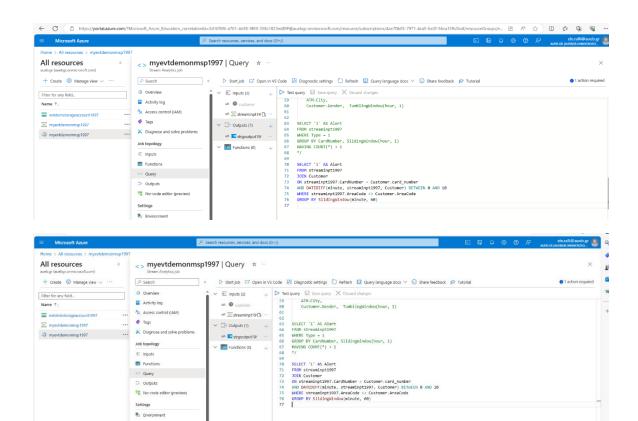












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