Lab 10 CST8912_011

Tarang Savaj

Sava0207

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Submitted to:

Prof. Tanishq Bansal

Lab-10

Title

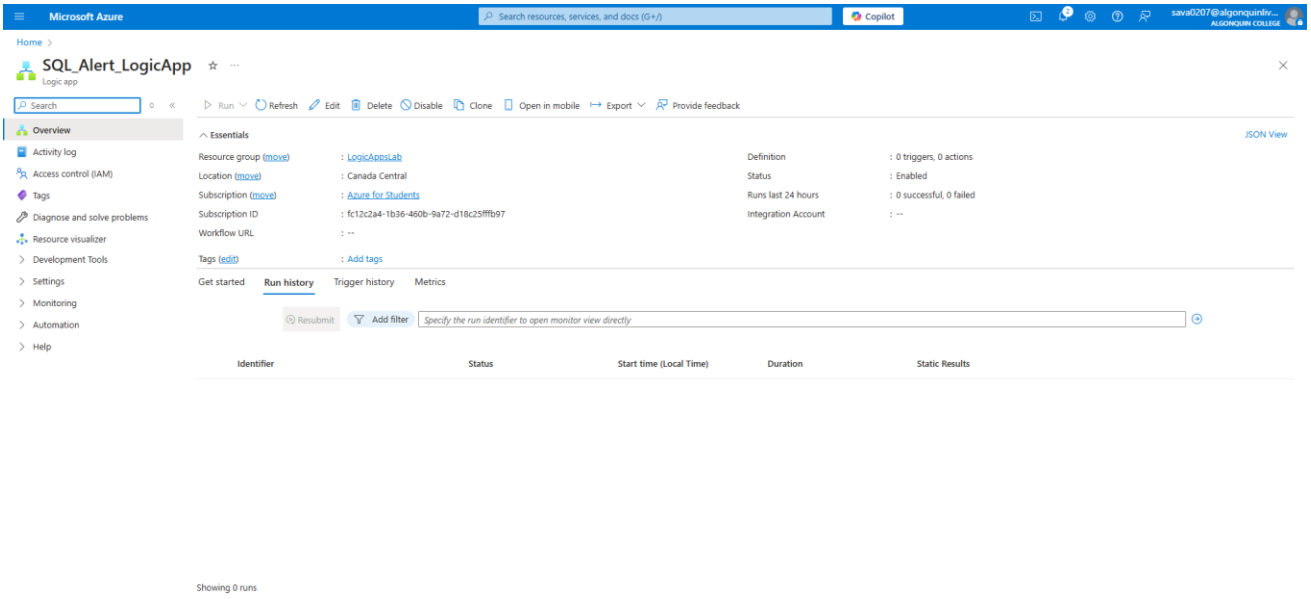
- Implementing Secure Azure Logic Apps for Automated Alerts and Monitoring

Introduction

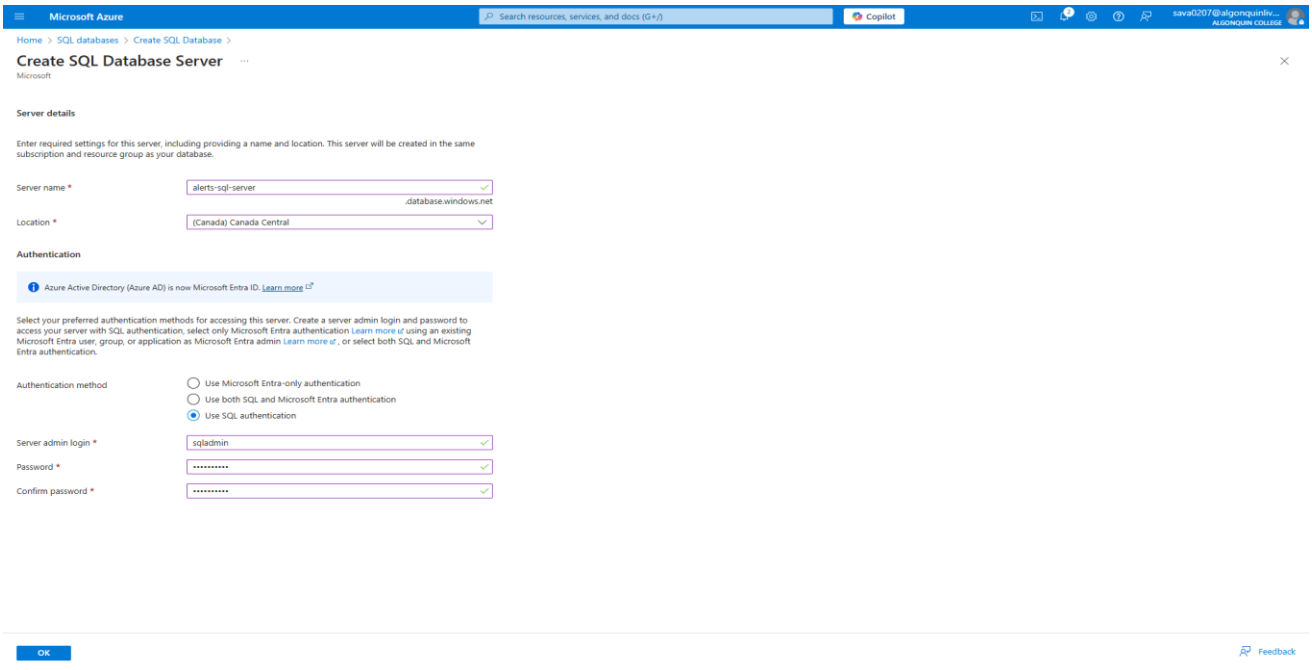
- The evaluation of cloud solution data protection and security measures takes place through Azure Logic Apps automation of security alerts and monitoring. Logic Apps stands as a Platform as a Service (PaaS) solution within Microsoft Azure that operates through connectors and triggers and actions to create smooth interconnections between cloud and on-premises systems. This lab requires you to design workflows that will both watch SQL database changes along with logging Azure Blob Storage file uploads while setting up automatic email alert systems. The practice includes learning Azure Monitor monitoring along with best practices for creating secure and reliable cloud automation.

Steps

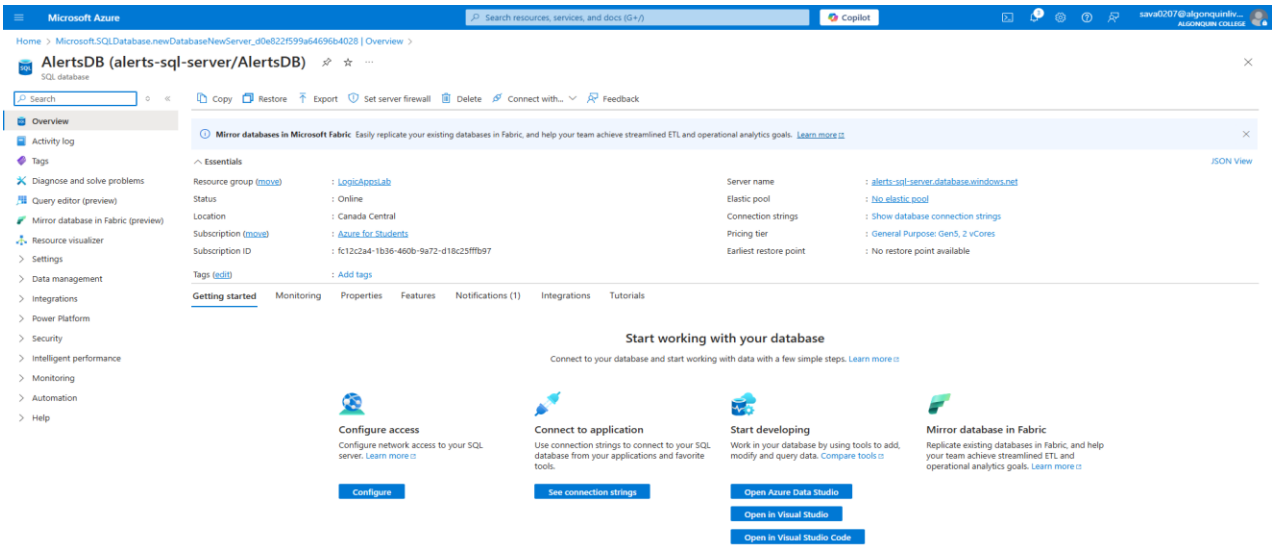
- The lab begins with a step to establish both an Azure Logic App that operates on a consumption model and a SQL database hosted in the Canada Central region before you proceed to establish an Alerts table along with producing sample records for it. The Logic App implements two stages for record retrieval through the "Get Rows" action before it processes data via For-Each loop functions and executes email alert procedures depending on database modification events. The second task involves establishing a storage account then making a date-based folder structure for a container and enabling automatic Logic App triggers to monitor upload file deficiencies which generate notification alerts when no files exist. Azure Monitor allows administrators to monitor Logic App workflows through the third task where they track execution steps and potential failures. As the final step you will both clean up all resources and document this process through screenshots for the purpose of lab submission.



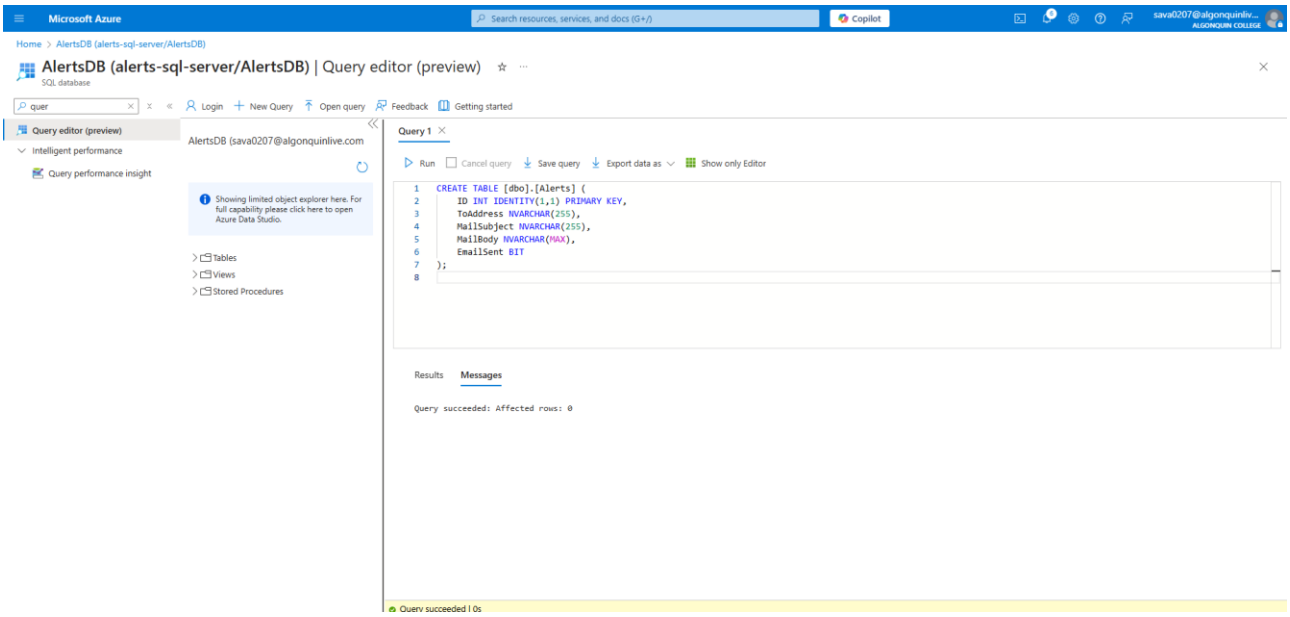
1. Logic app created



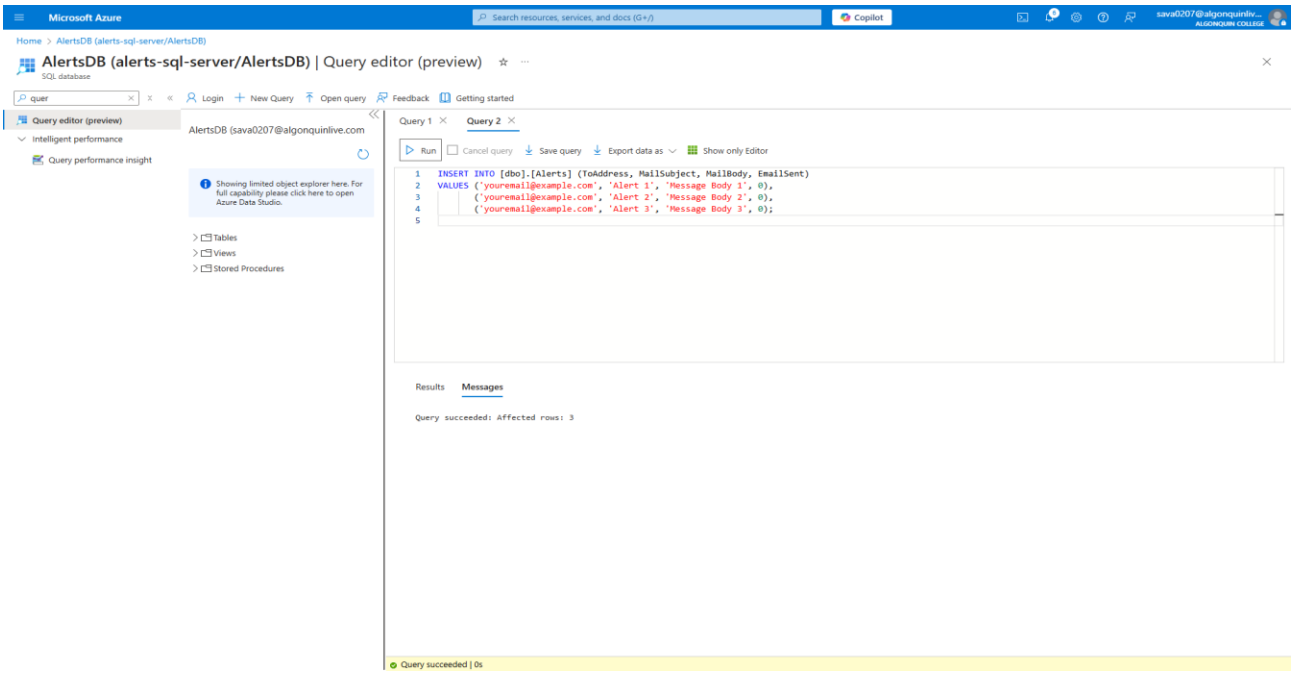
2.creating server in database



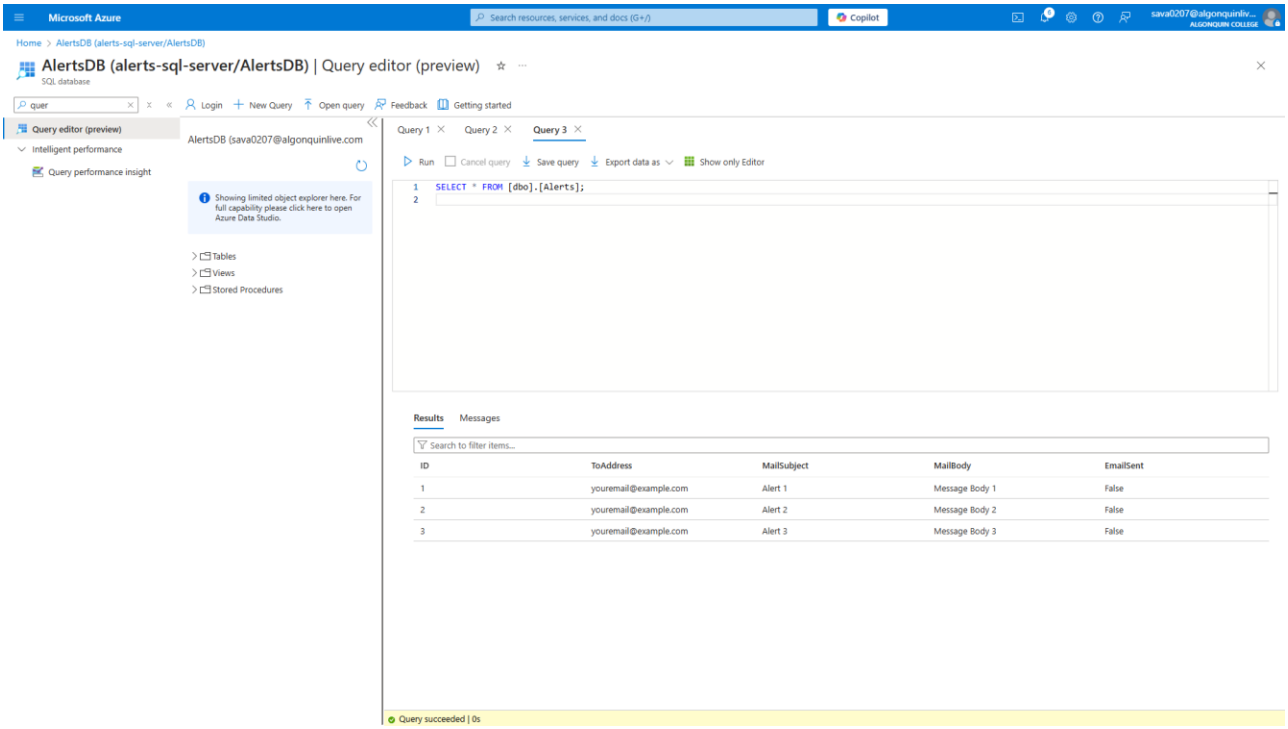
3. Overview of Database



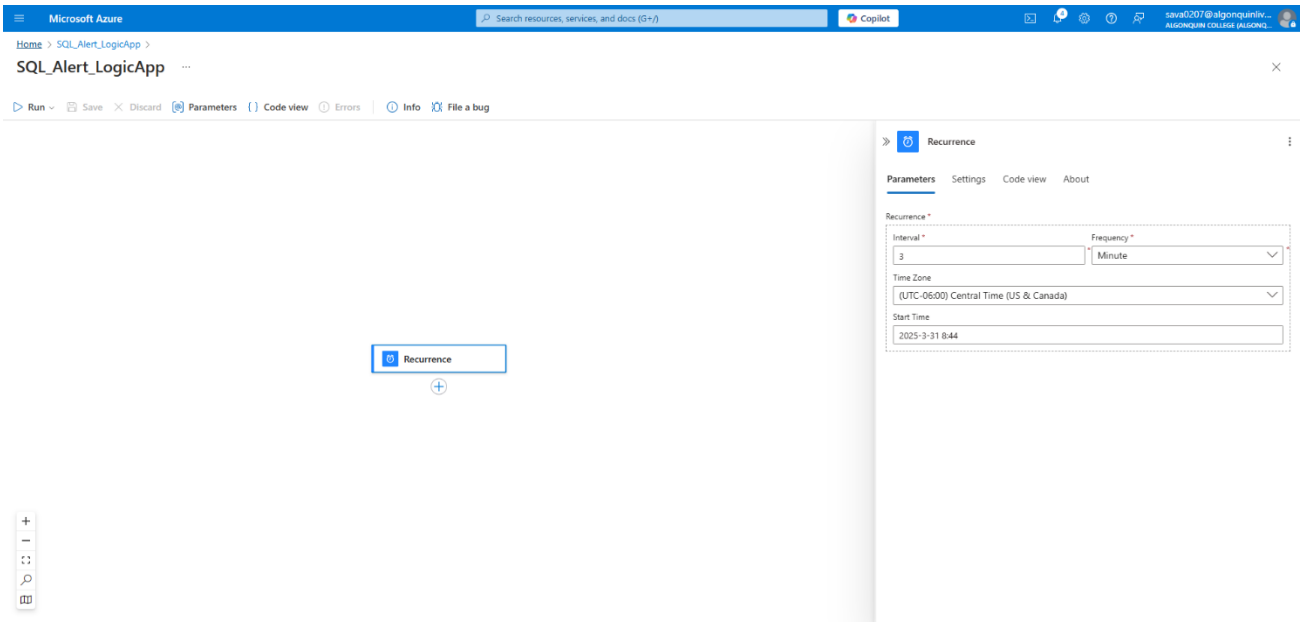
4. Table Query



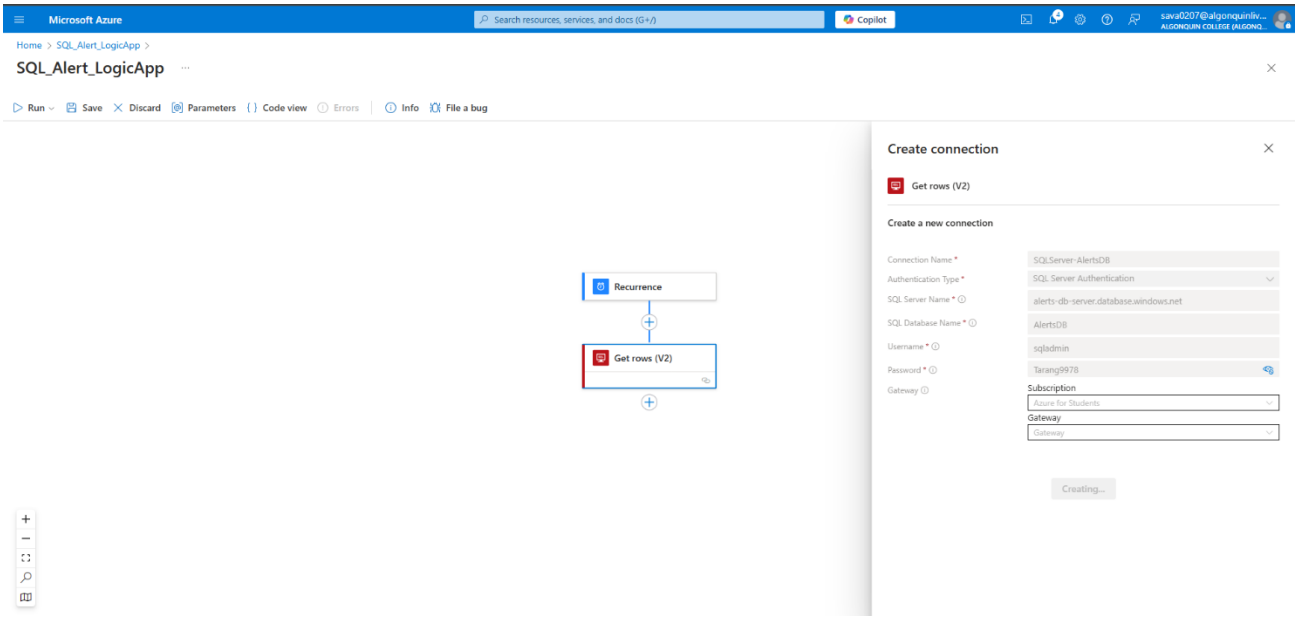
5. Information Query



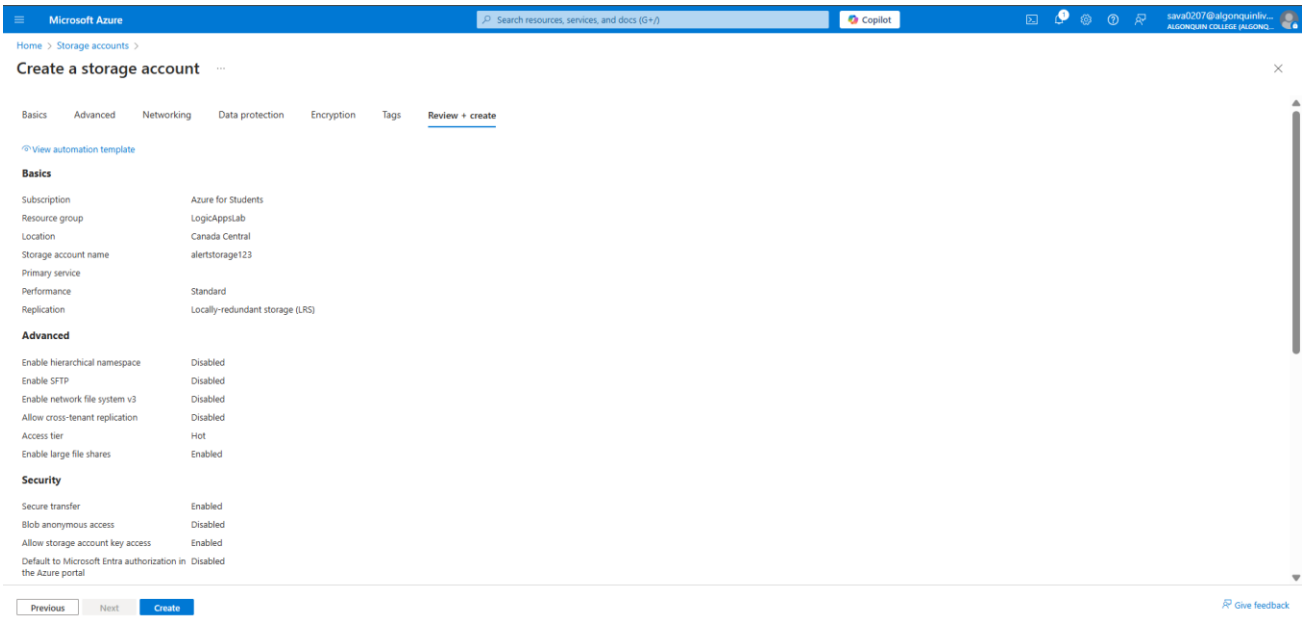
6. showing Query



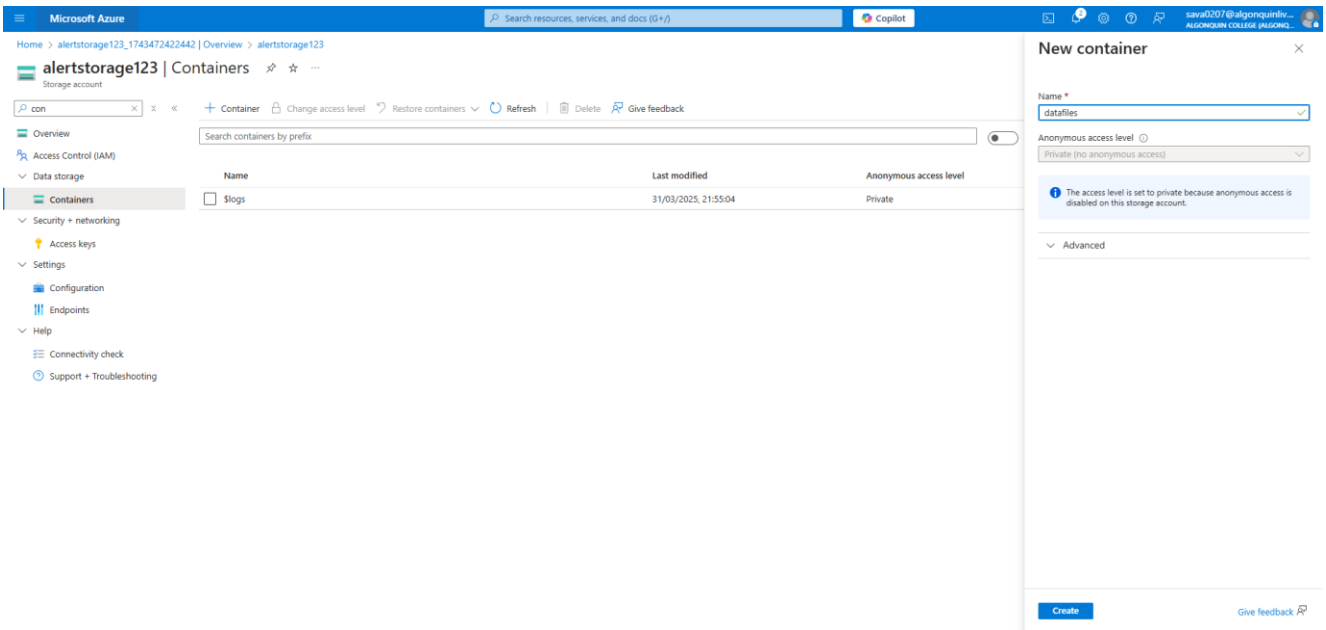
7. Recurrence added



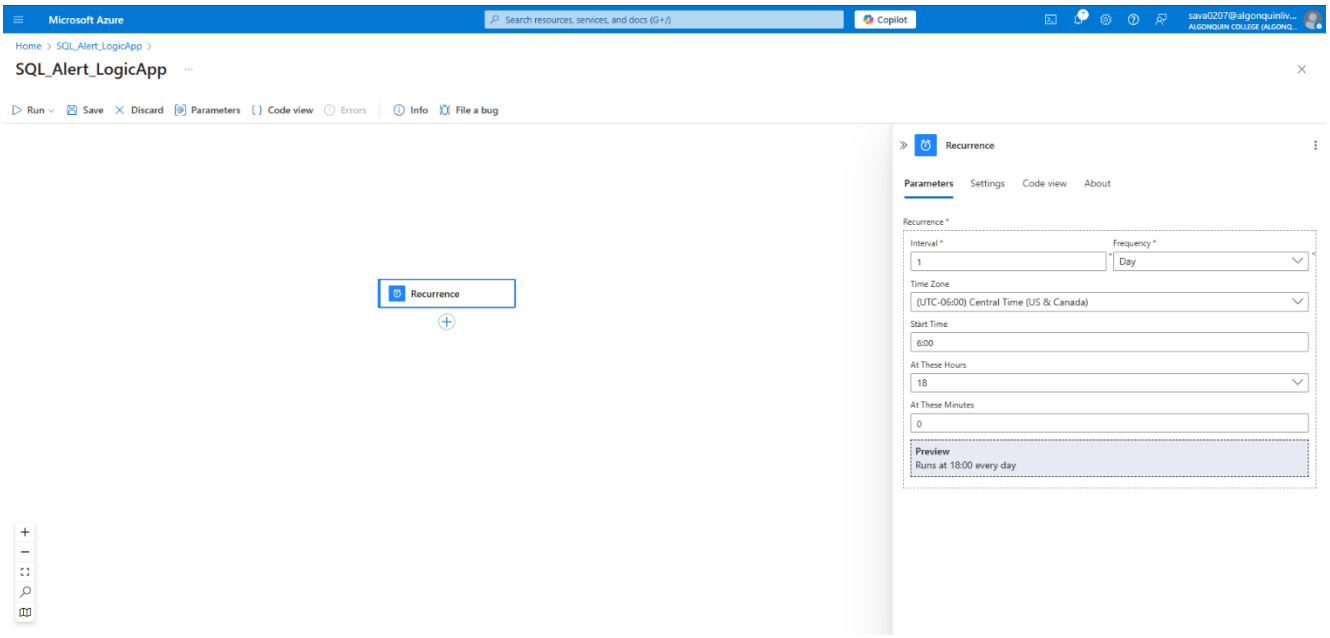
8. get rows V2 adding



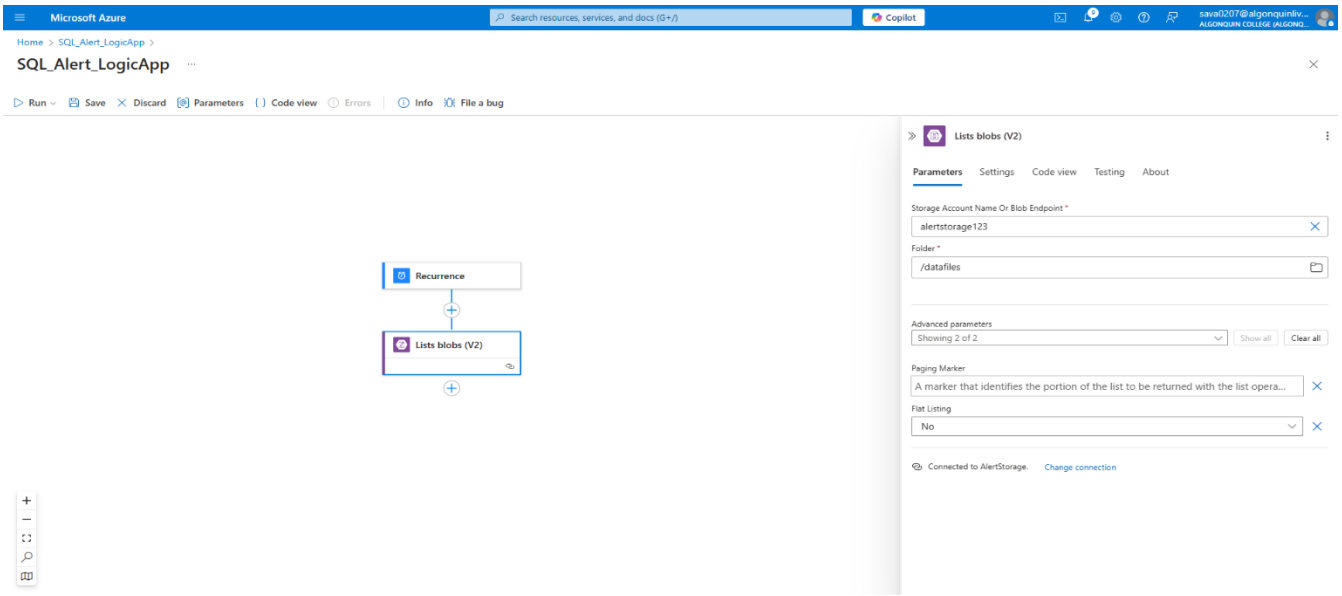
9. creating storage account



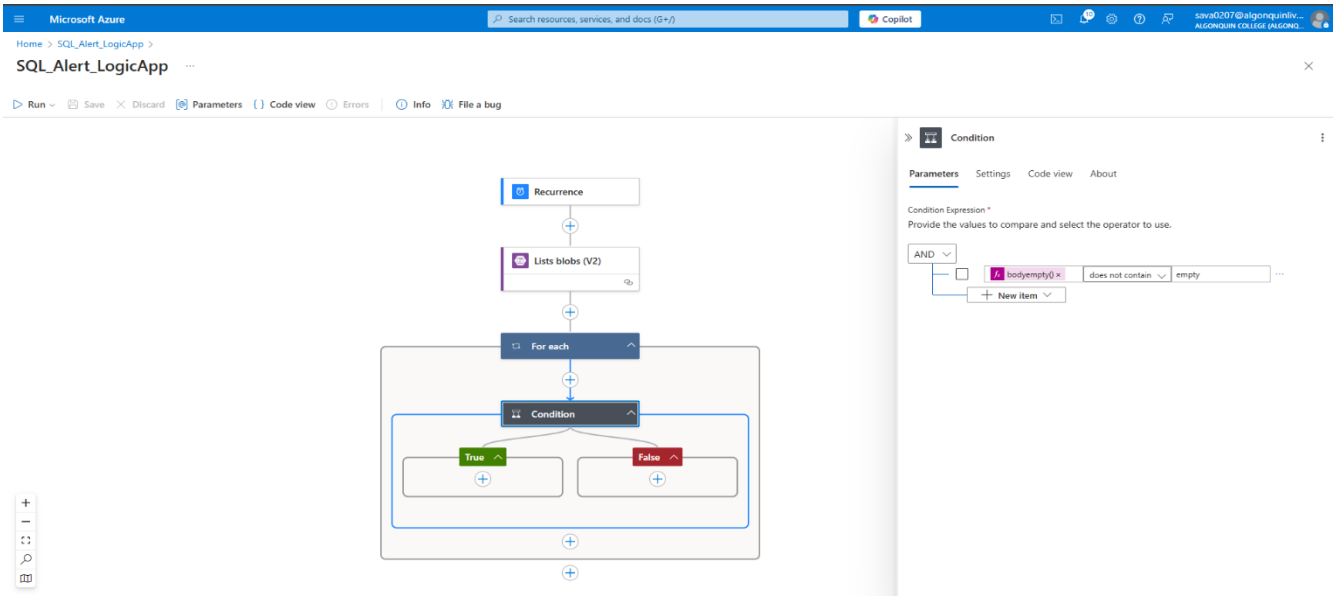
10. Creating Containers



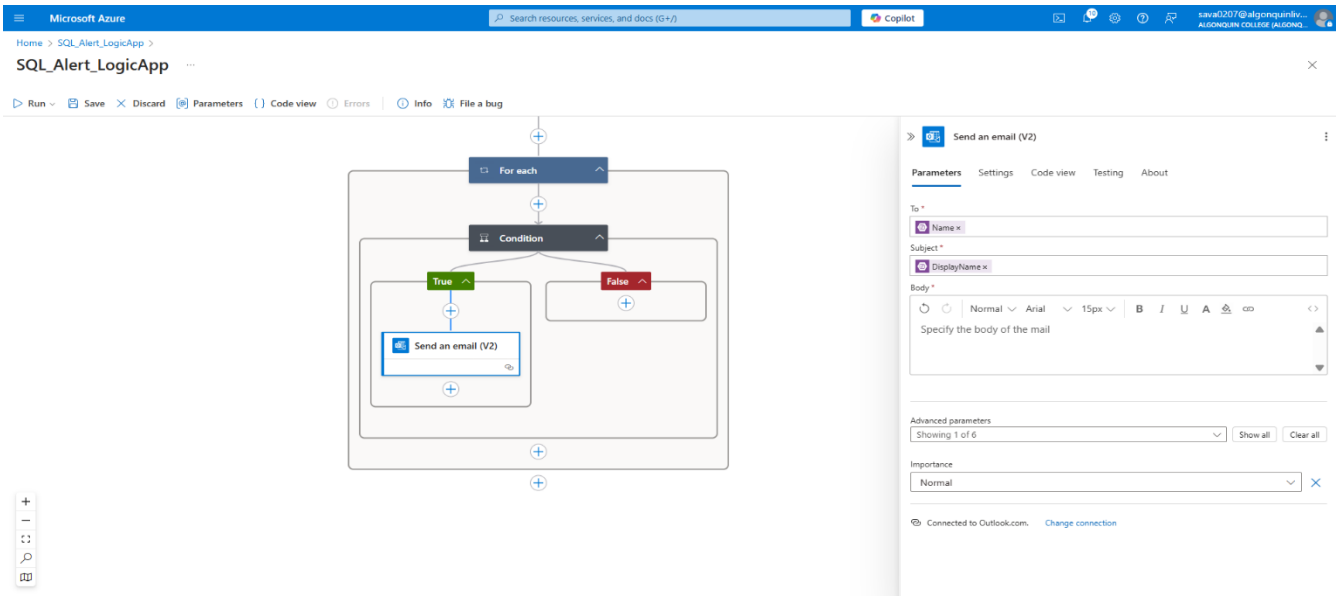
11.Creating Recurrence



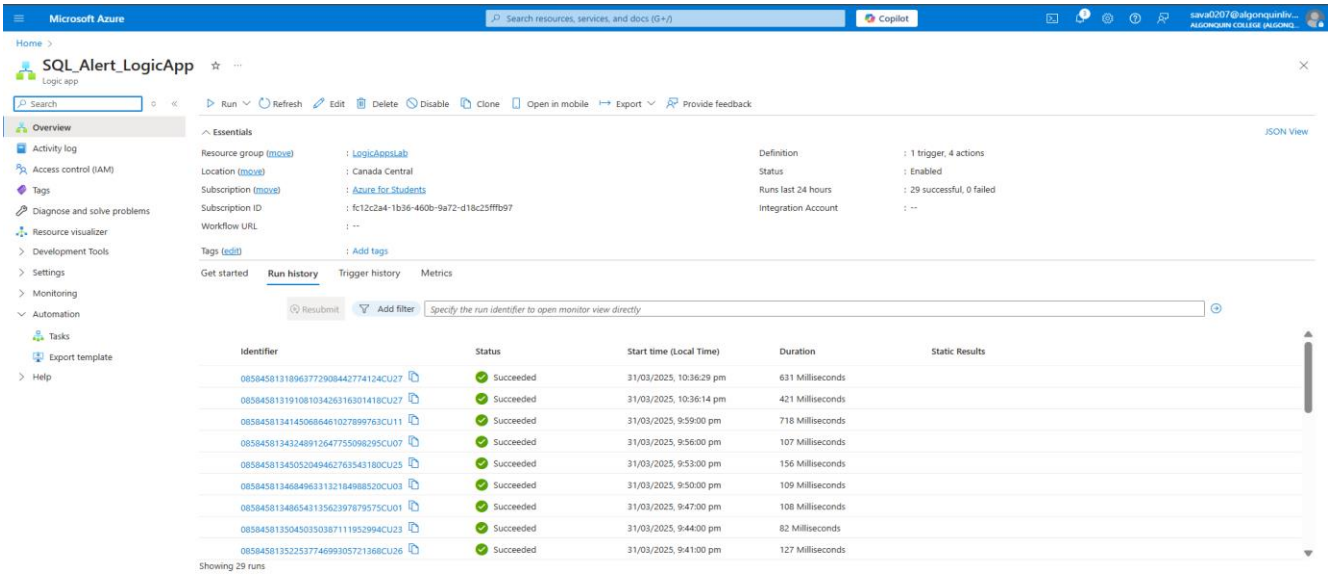
12. Added list blob



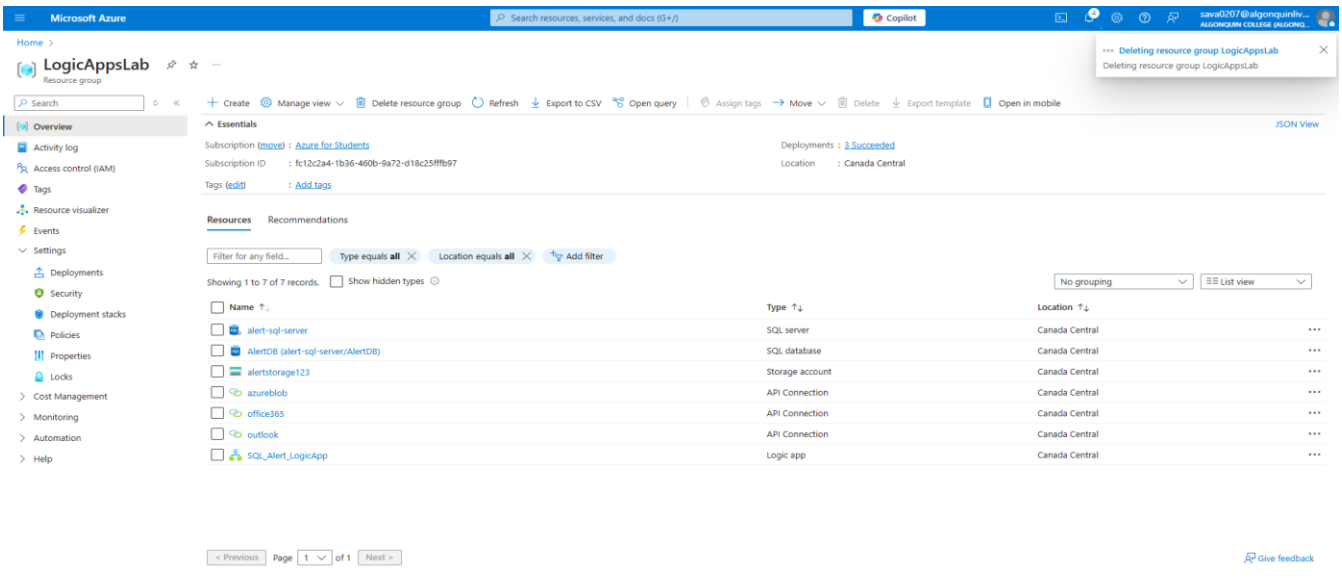
13. Add condition



!4. Add get email



15. Monitor the logic app



16. deleting Resource group

References

- References for this task are taken from the provided lab file.