CST8912 – Cloud Solution Architecture

Graded Lab Activity #10

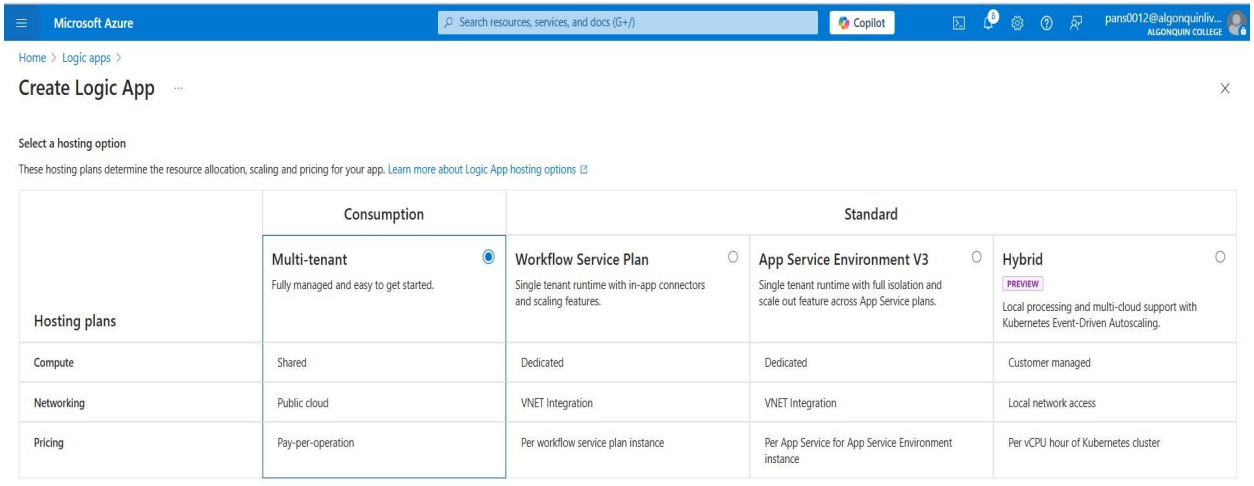
Introduction:

Azure Logic Apps is the PaaS (Platform as a Service) offering from Microsoft Azure. Logic Apps helps us to define workflows and build powerful solutions with the help of connectors, triggers, and actions.

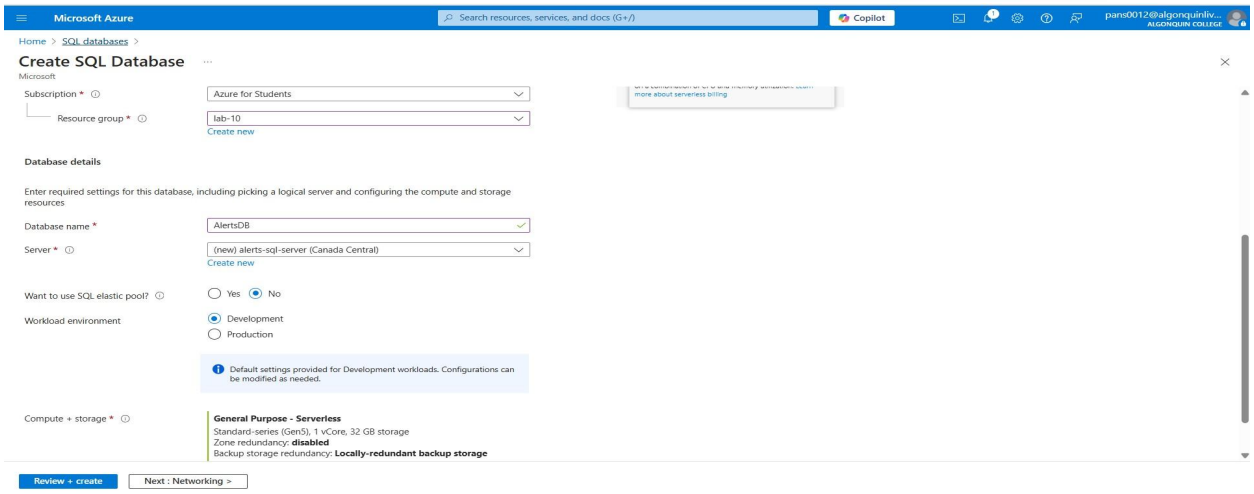
Azure Logic Apps is a cloud platform where you can create and run automated workflows with little to no code. By using the visual designer and selecting from prebuilt operations, you can quickly build a workflow that integrates and manages your apps, data, services, and systems.

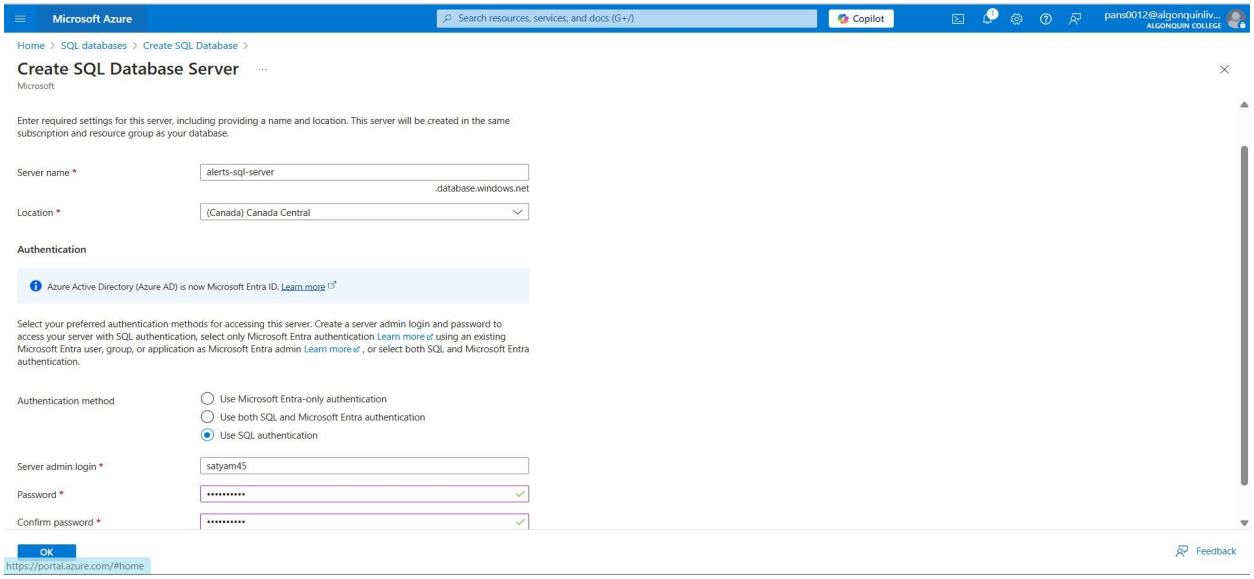
Task 1:

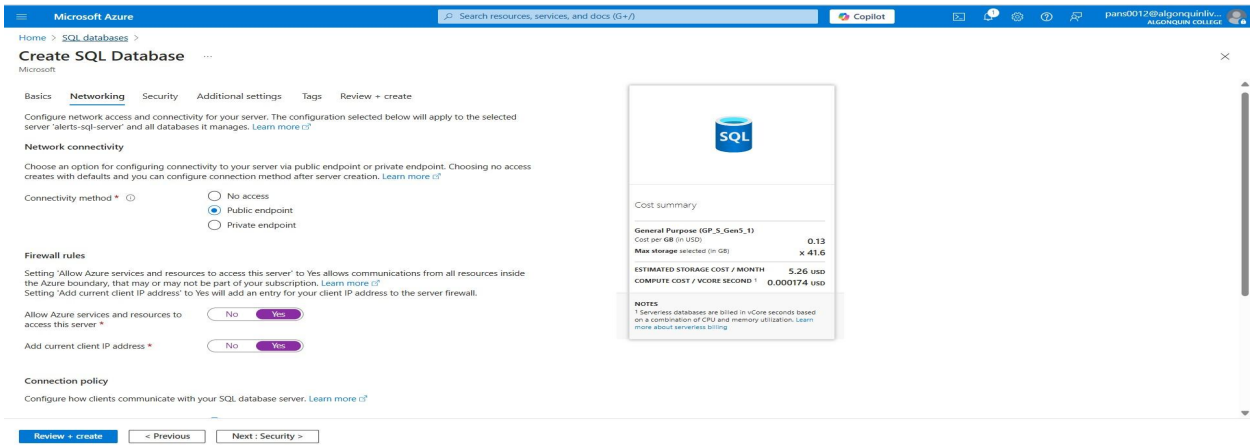
1. Create logic app (choose consumption based plan) and sql database instance in Canada central region



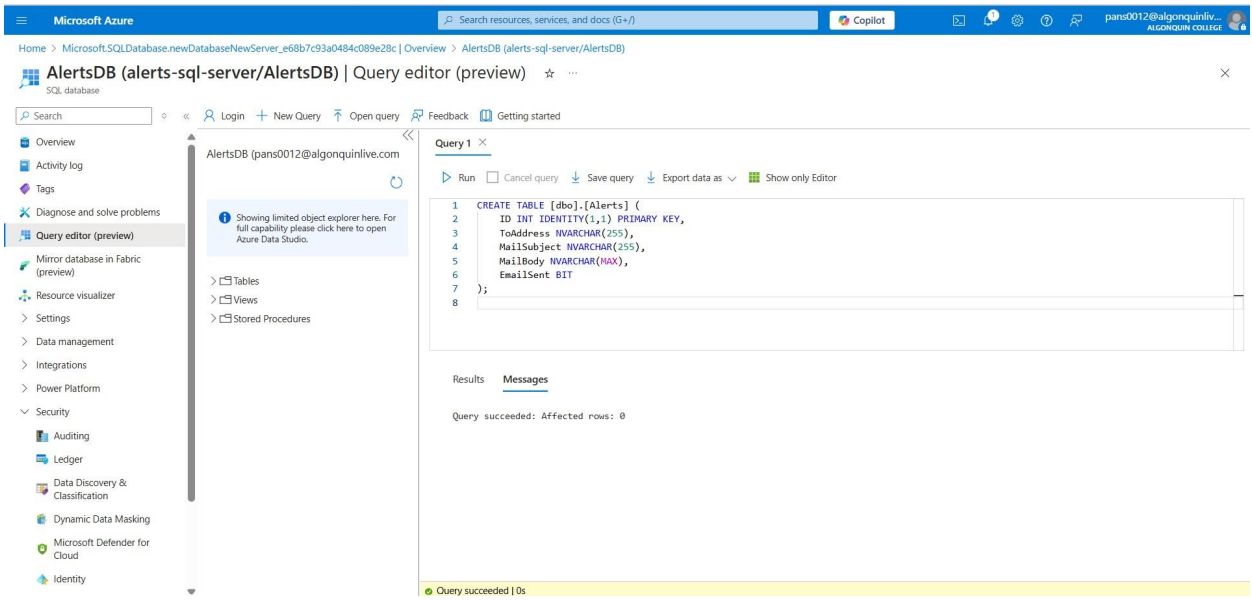
ALGONQUIN COLLEGE





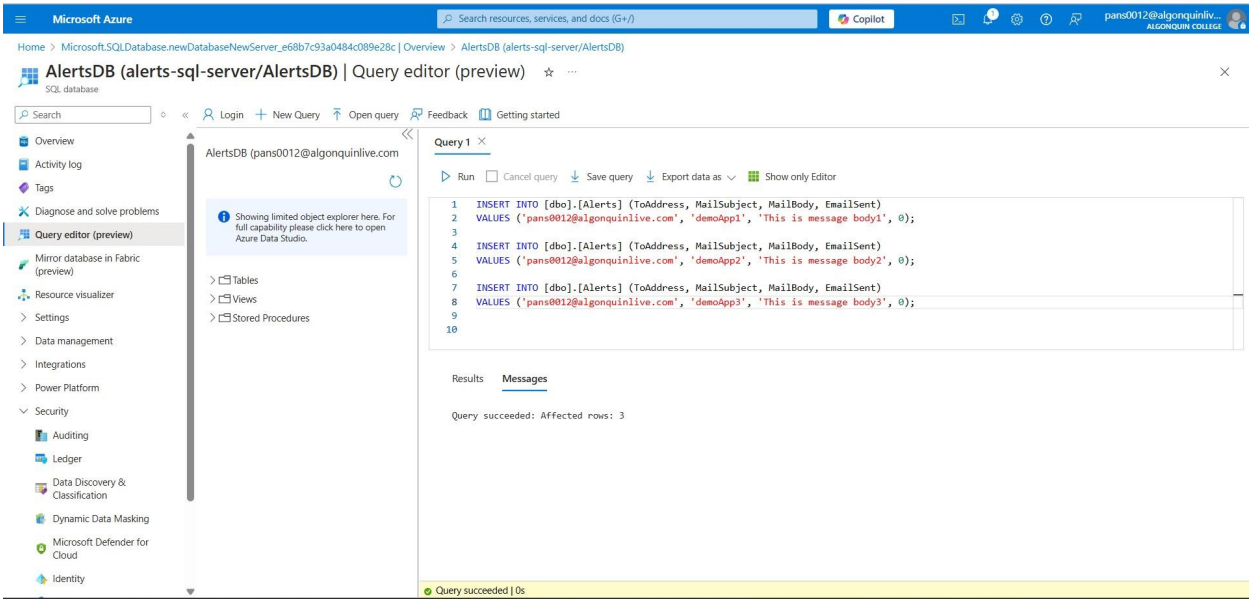


Create alerts table in sql database using query editor

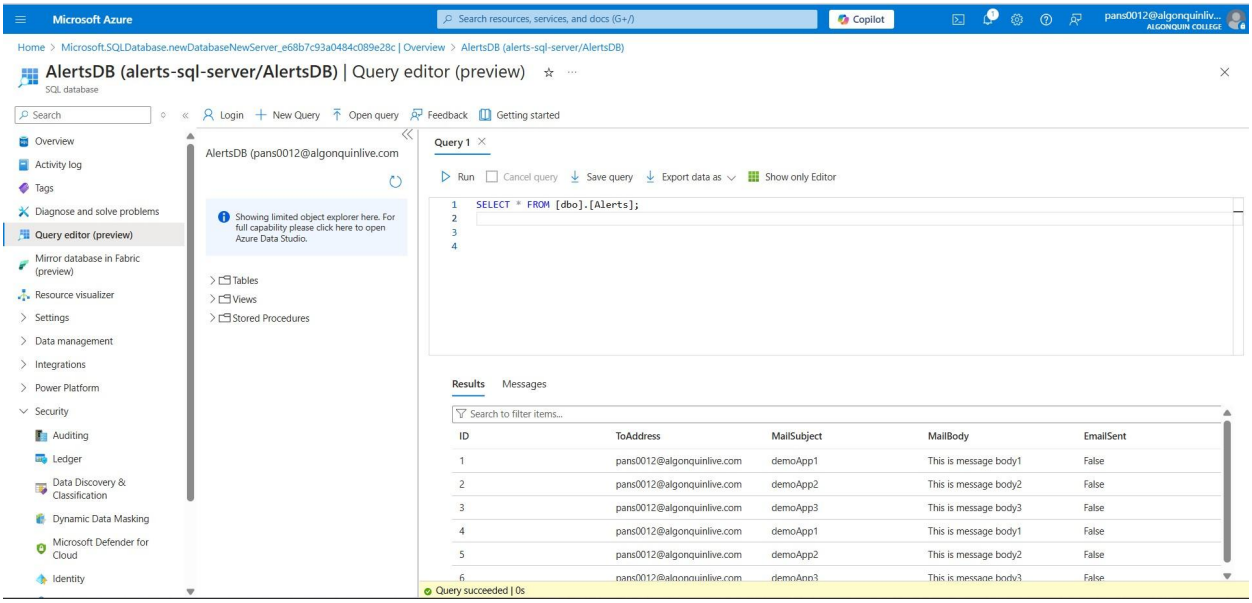


2. Insert records into the Alerts table using the query

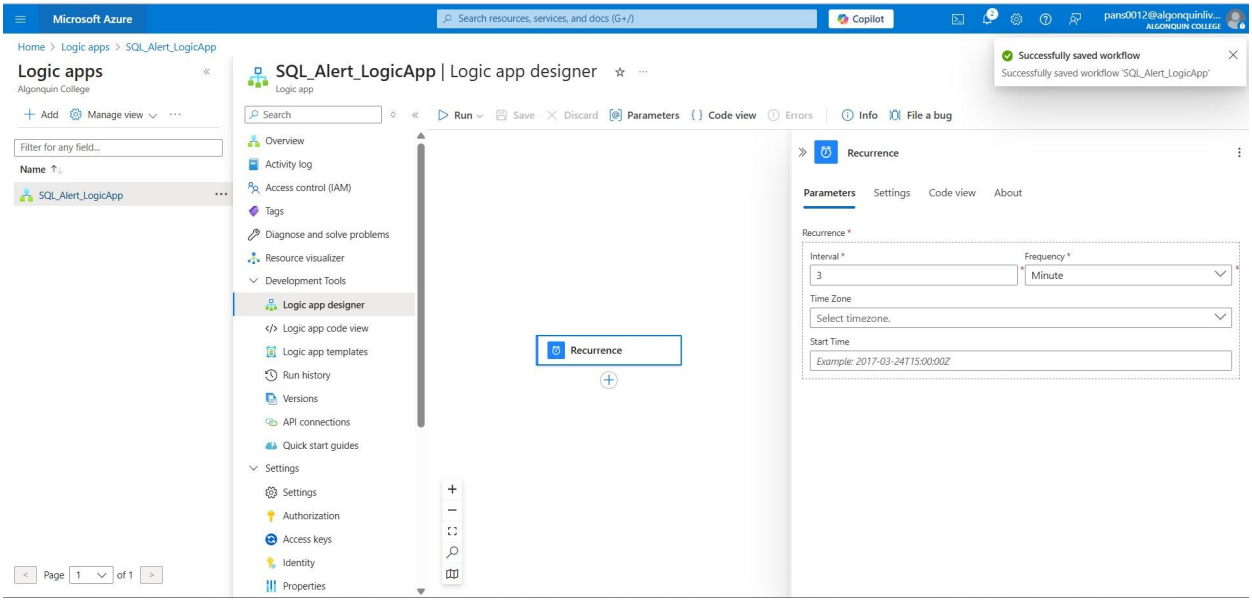
```
Insert into [dbo].[Alerts] (ToAddress,MailSubject,MailBody,EmailSent)
values ('youremail','demoApp1','This is message body1',0)
go

Insert into [dbo].[Alerts] (ToAddress,MailSubject,MailBody,EmailSent)
values ('youremail','demoApp2','This is message body2',0)
go

Insert into [dbo].[Alerts] (ToAddress,MailSubject,MailBody,EmailSent)
values ('youremail','demoApp3','This is message body3',0)
go
```



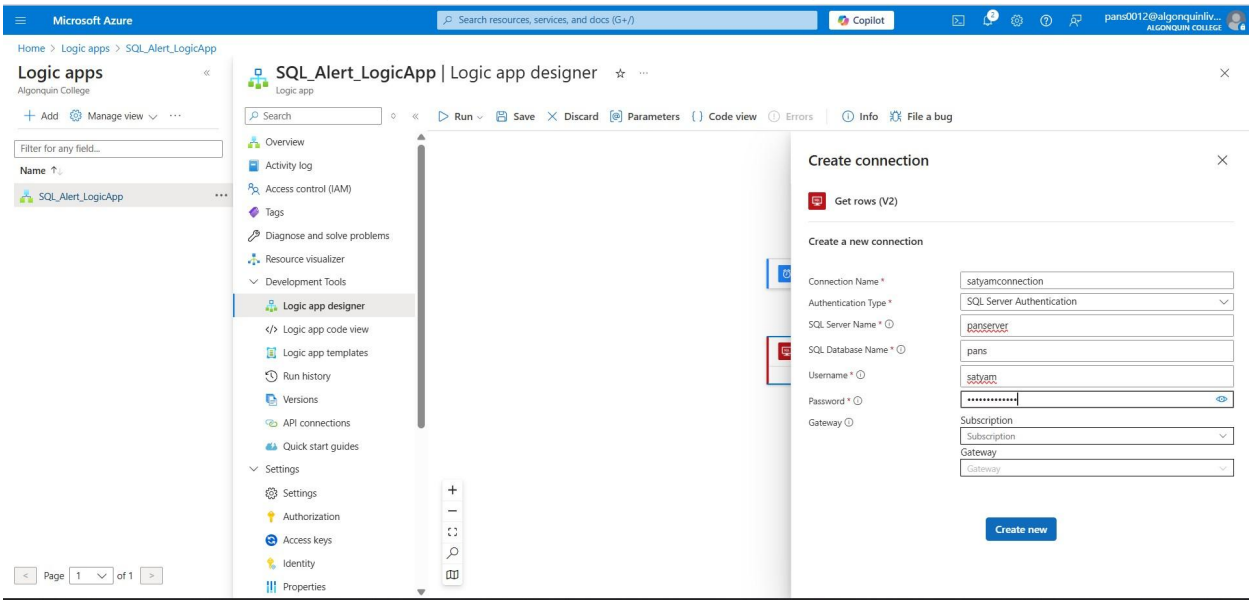
3. Select rows from db.Alerts table to verify the records inserted in the table.



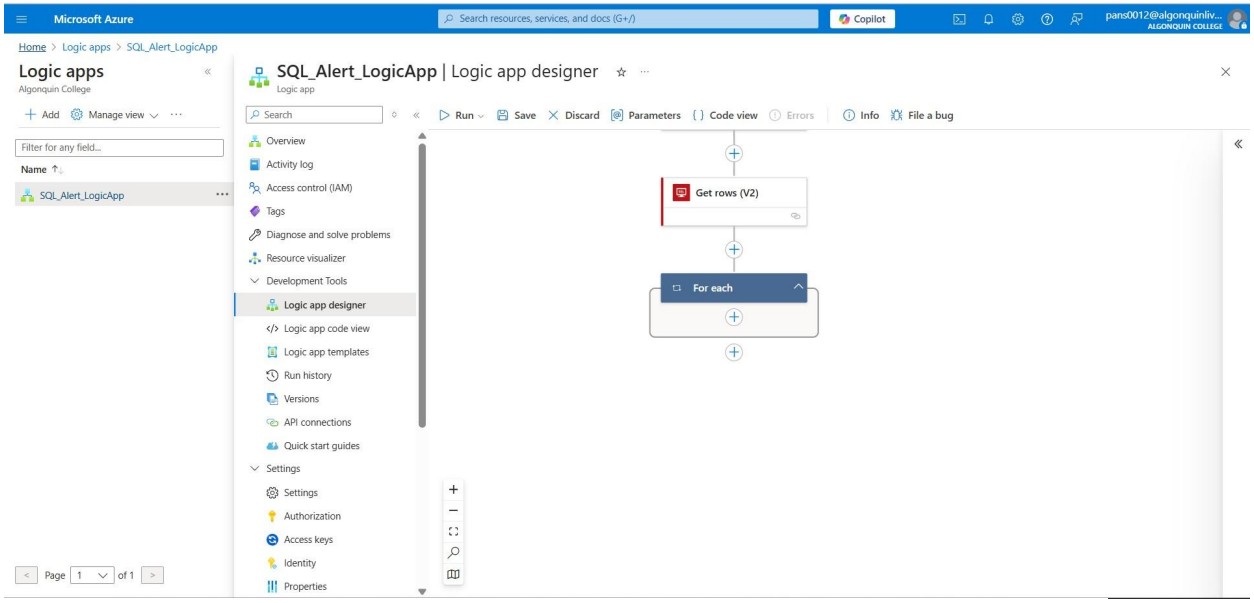
4. Go to logic app created in lab
5. Use recurrence trigger and define values for interval (3) and frequency (minute)



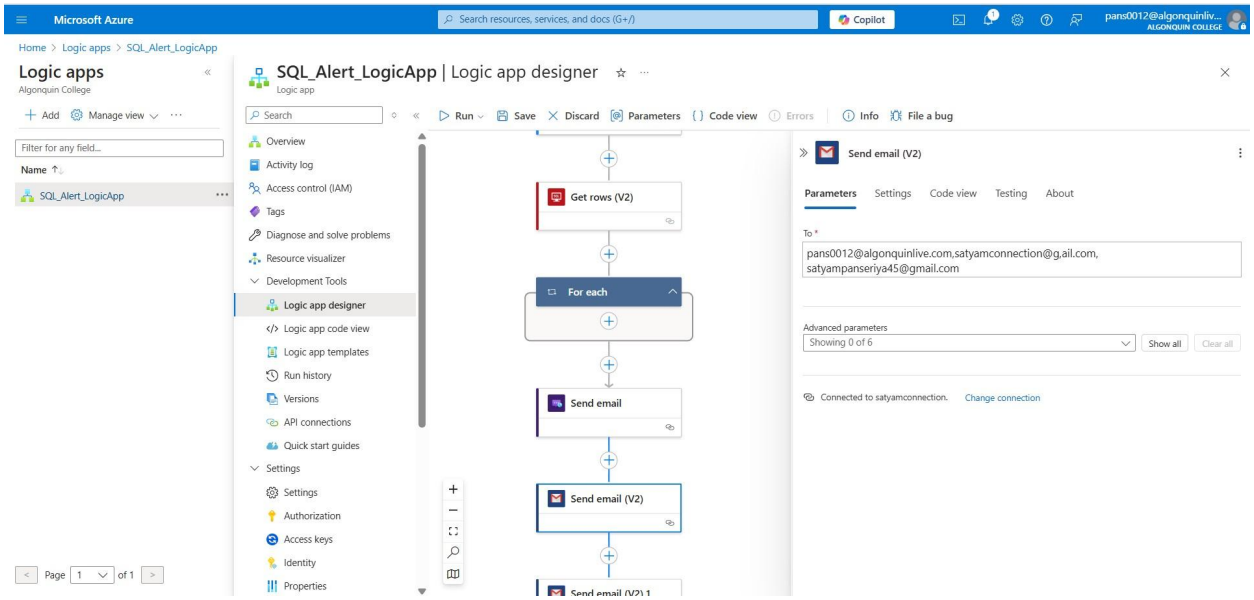
6. Add new step named “sql server” , use “get rows” as action.



7. Enter the credentials (In background, connectors are getting created). Enter your server name (FQDN), database name, username and password.
8. Add a new step ‘For-Each’ in the Logic App.



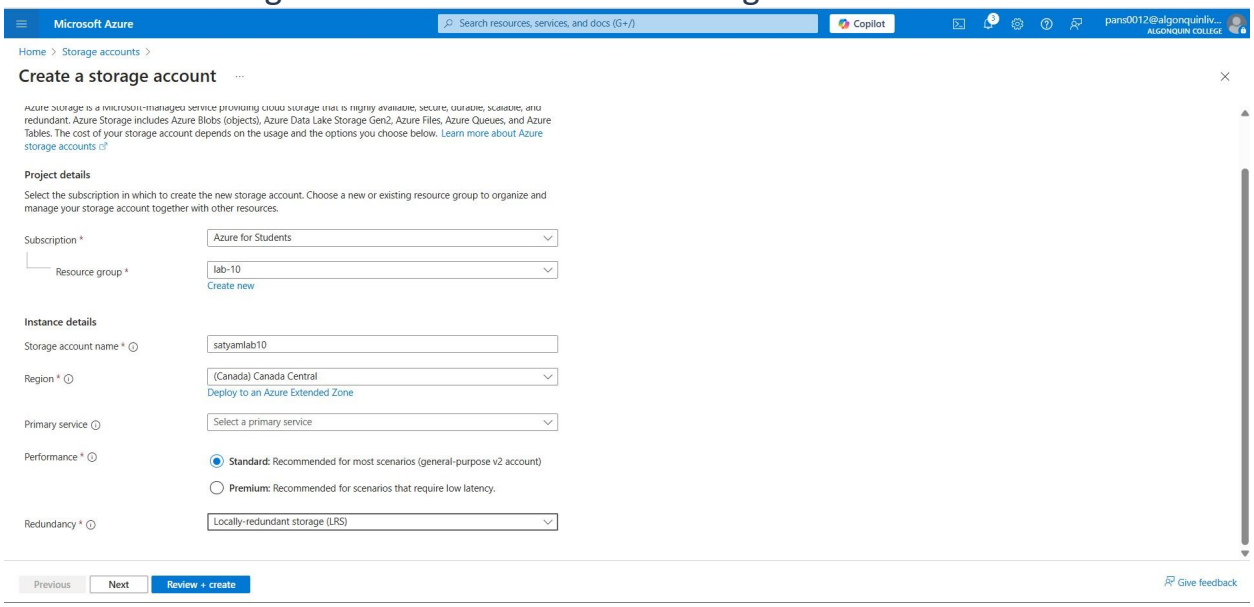
9. Now add a ‘Send mail’ Action.
10. Enter the details from Dynamic content (refer to values from columns defined in the alerts table)



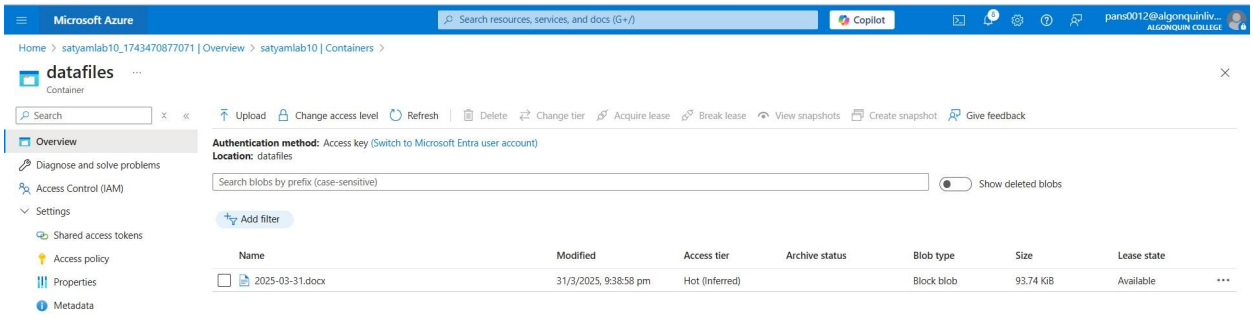
11. Save the Logic App.
12. Wait for sometime and you will receive an email.

Task 2: Design a logic to trigger an email notification in your outlook when the file to a specific folder does not gets uploaded by specific time.

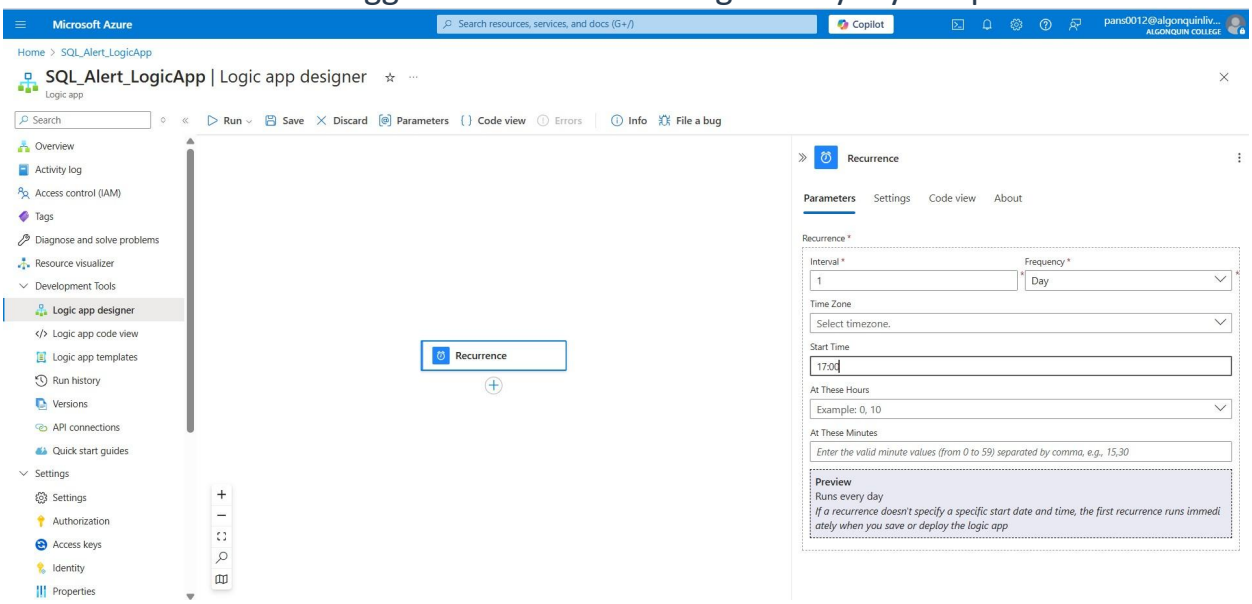
1. Create a storage account in Canada central region



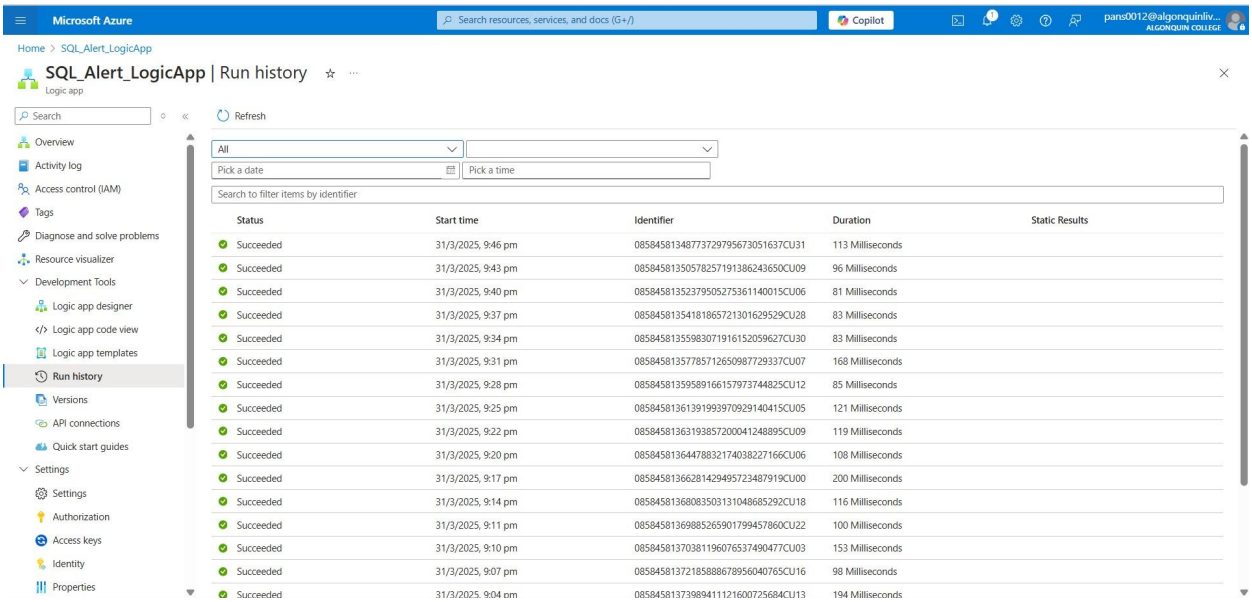
2. Create a sample container and within that container create folder in format of “yyyy-mm-dd”



3. Create a trigger to schedule this logic everyday at 6pm



Task 3: Monitor workflows in azure logic apps



Task4: Clean all the resources created during this lab and record all the steps with screenshots in the lab report.