

IT4090 Cloud Computing 4th Year, 1st Semester

Azure Lab 5

Practical Session

Submitted to
Sri Lanka Institute of Information Technology

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In partial fulfillment of the requirements for the Bachelor of Science Special Honors Degree in Information Technology

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1. Create a single database

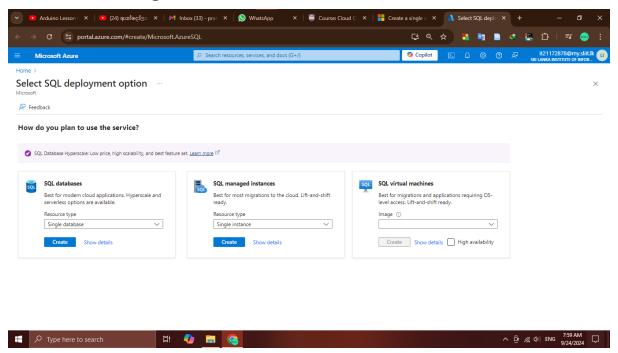


Figure 1. 1: Under SQL databases, leave Resource type set to Single database, and select Create.

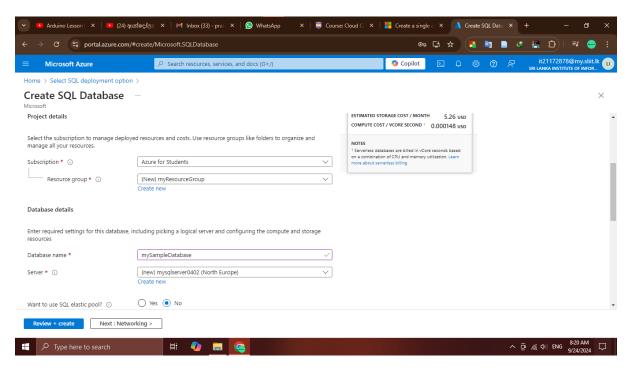


Figure 1. 2: Choose Subscription, create Resource group, create Database name and select SQL elastic pool No.

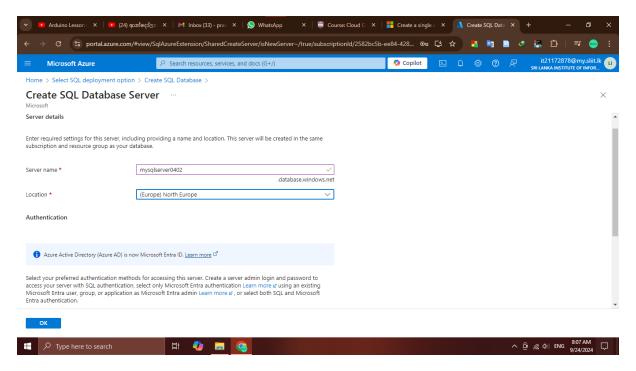


Figure 1. 3: Select the Server name and Location.

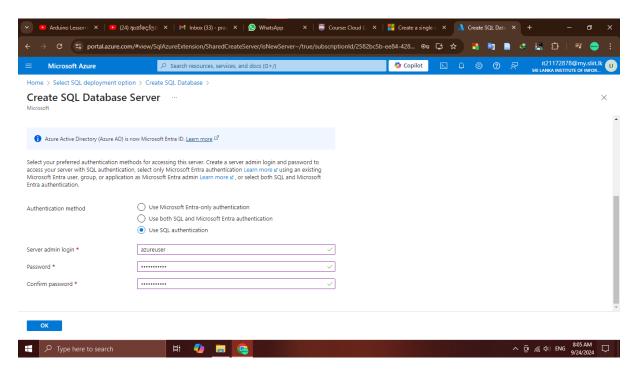


Figure 1. 4: Enter Server admin login and Password.

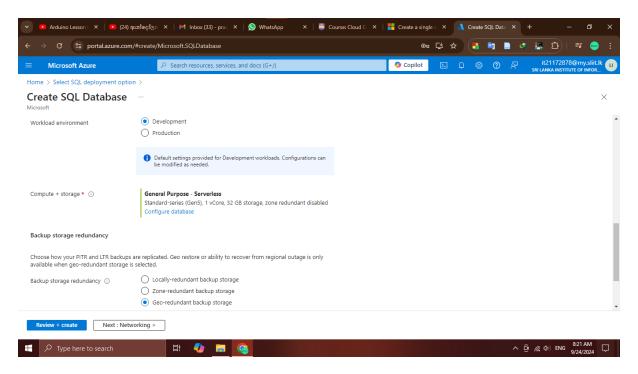


Figure 1. 5: For Workload environment, specify Development and choose a redundancy.

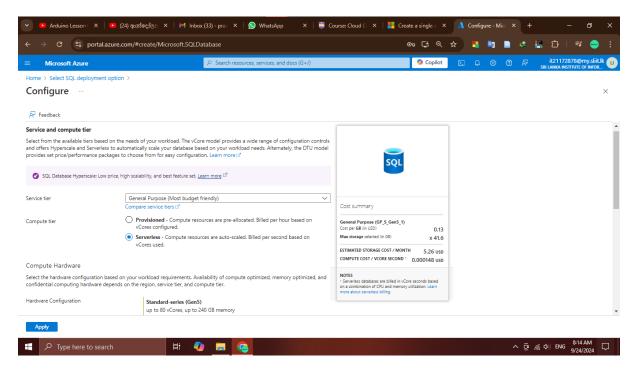


Figure 1. 6: Service tier set to General Purpose (Most budget-friendly, serverless compute) and set Compute tier to Serverless. Select Apply.

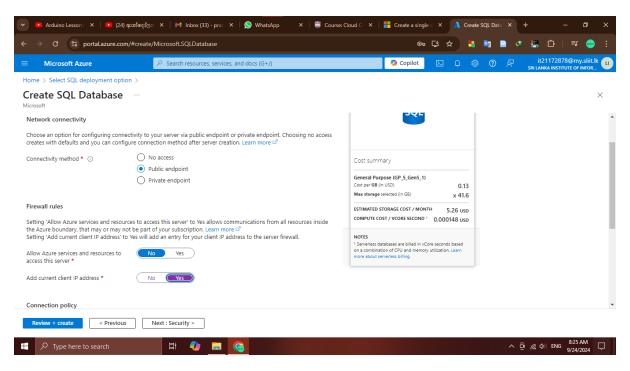


Figure 1. 7: On the Networking tab, for Connectivity method, select Public endpoint and for Firewall rules, set Add current client IP address to Yes.

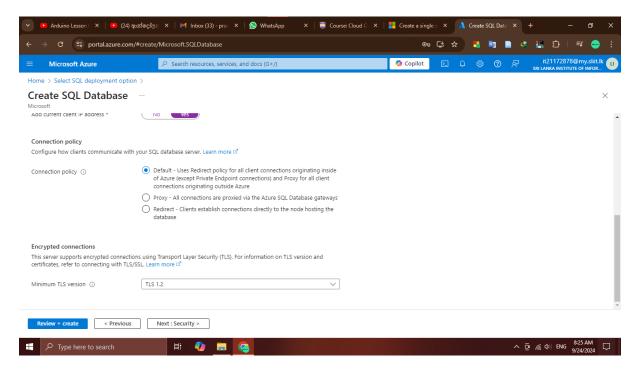


Figure 1. 8: Choose the Default connection policy, and Minimum TLS version at the default of TLS 1.2.

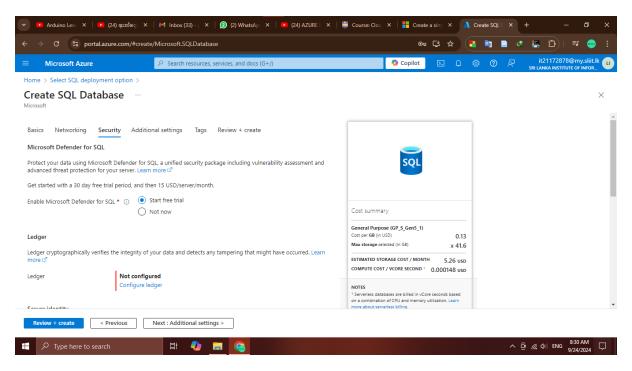


Figure 1. 9: On the Security page, choose to start a free trial of Microsoft Defender for SQL.

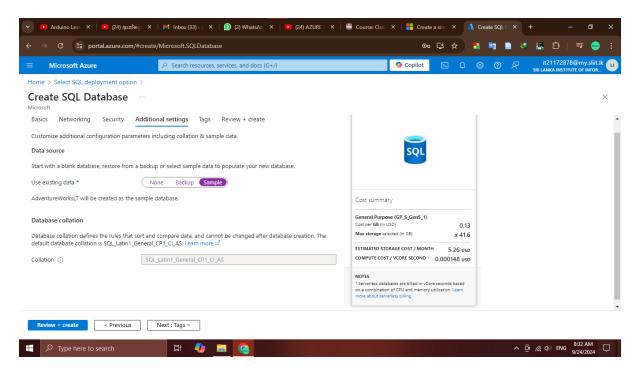


Figure 1. 10: in the Data source section, for Use existing data, select Sample.

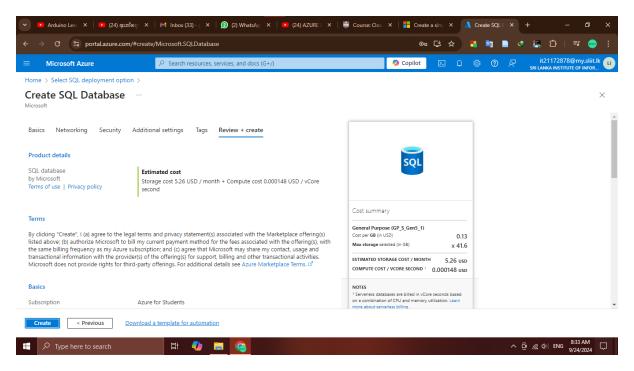


Figure 1. 11: Review database and click Create.

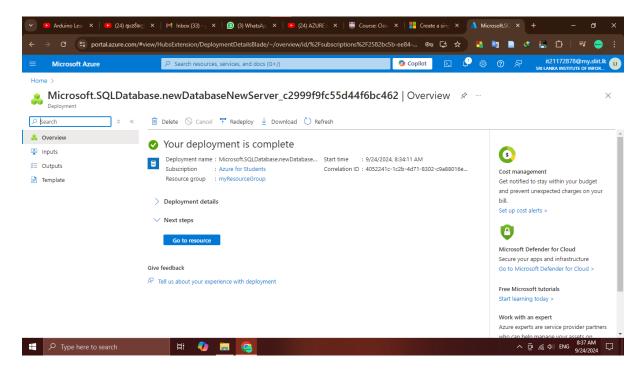


Figure 1. 12: Complete deployment database and click Go to resources.

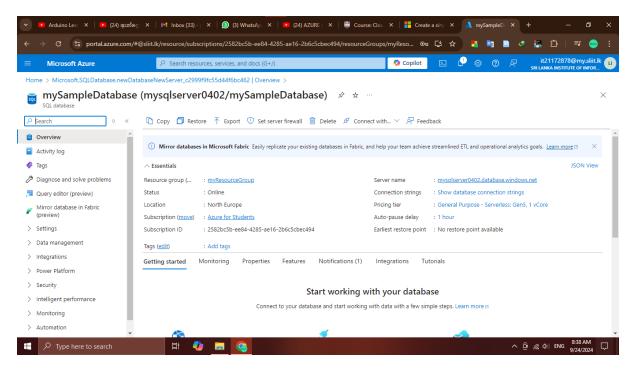


Figure 1. 13: Created database's Overview.

2. Query the database

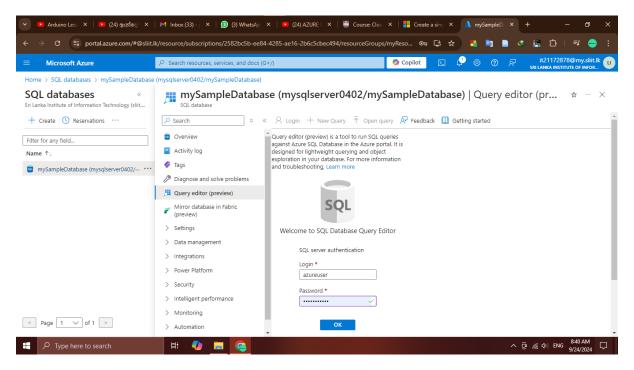


Figure 2. 1: Enter your SQL authentication server admin Login information and Password.

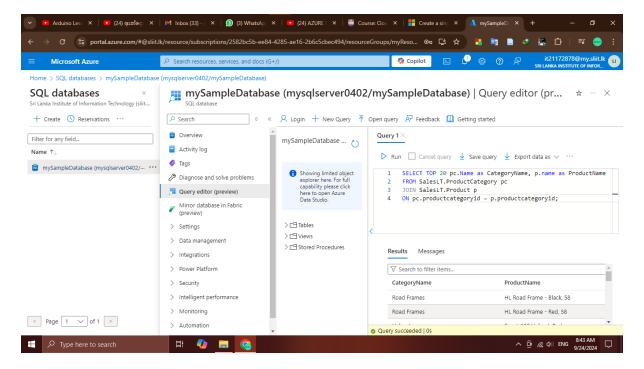


Figure 2. 2: Enter the query in the Query editor pane and select Run.

3. Clean up resources

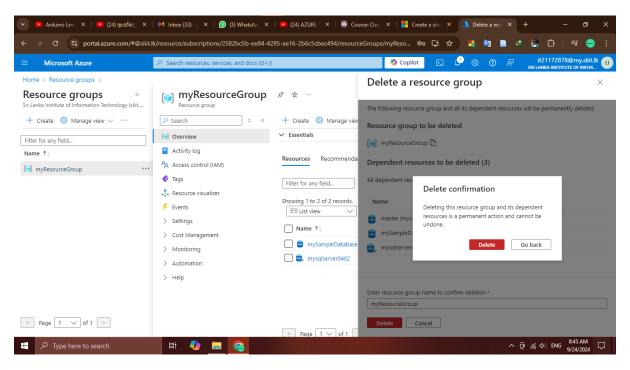


Figure 3. 1: Click Delete to delete a resource group.

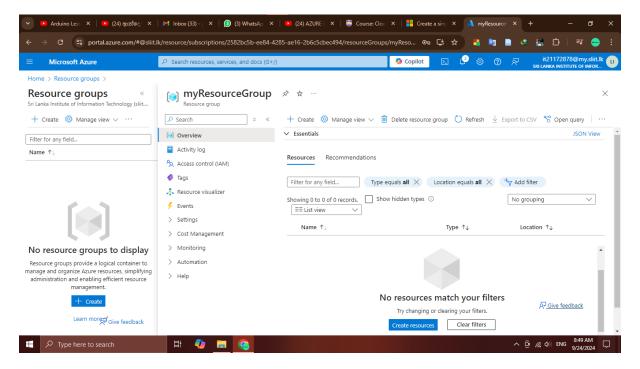


Figure 3. 2: Resource group deleted succeeded.