SQL

SQL

Types of SQL Operations

Azure SQL

User id

* [Shellunext\_1693422210616@npunext.onmicrosoft.com](mailto:Shellunext_1693422210616@npunext.onmicrosoft.com)

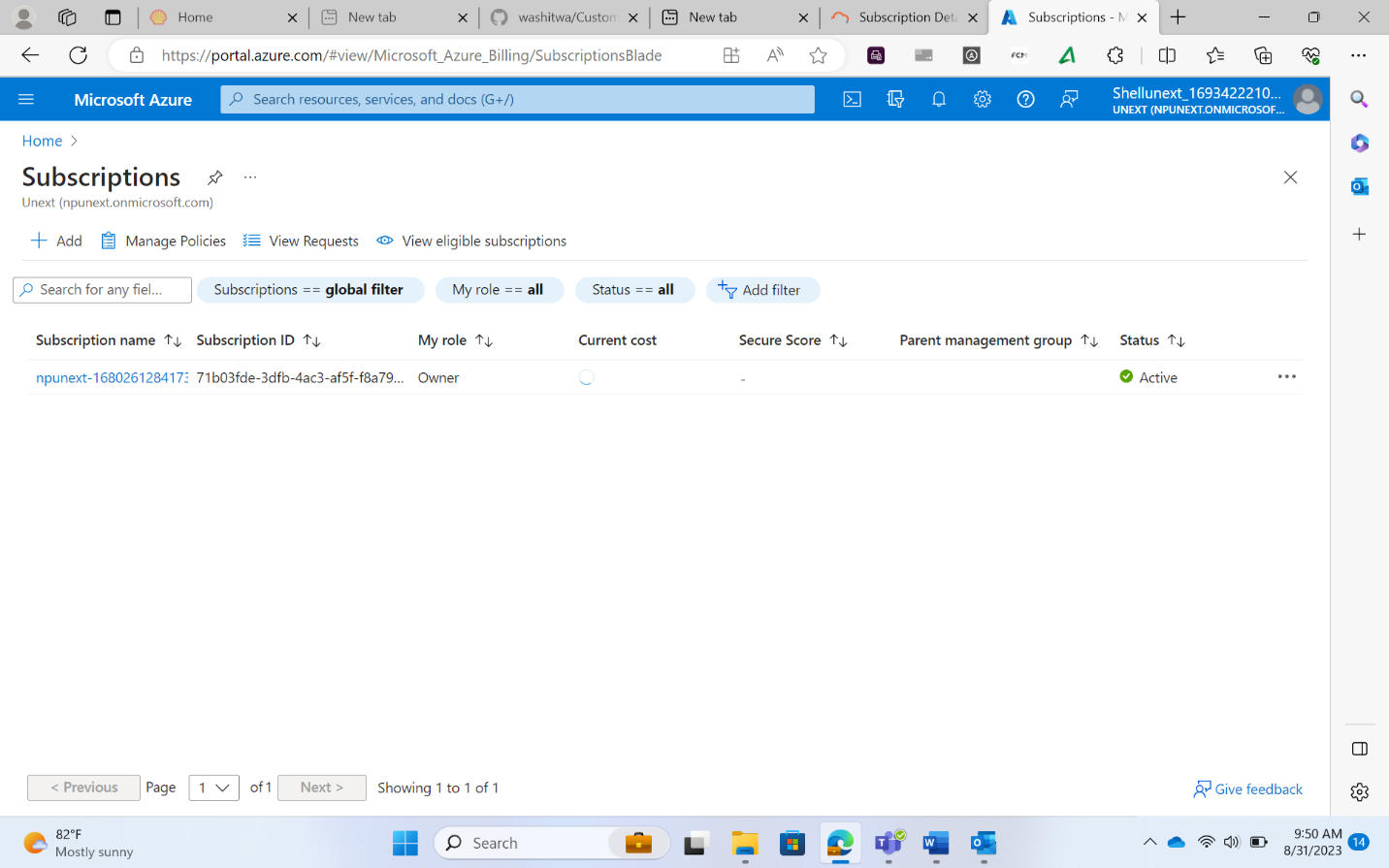
Password

* f4-626f4-6J31^

New Password

* AzureWashitwa@140

AZURE SERVICE CREATION



Creation of Azure SQL Service

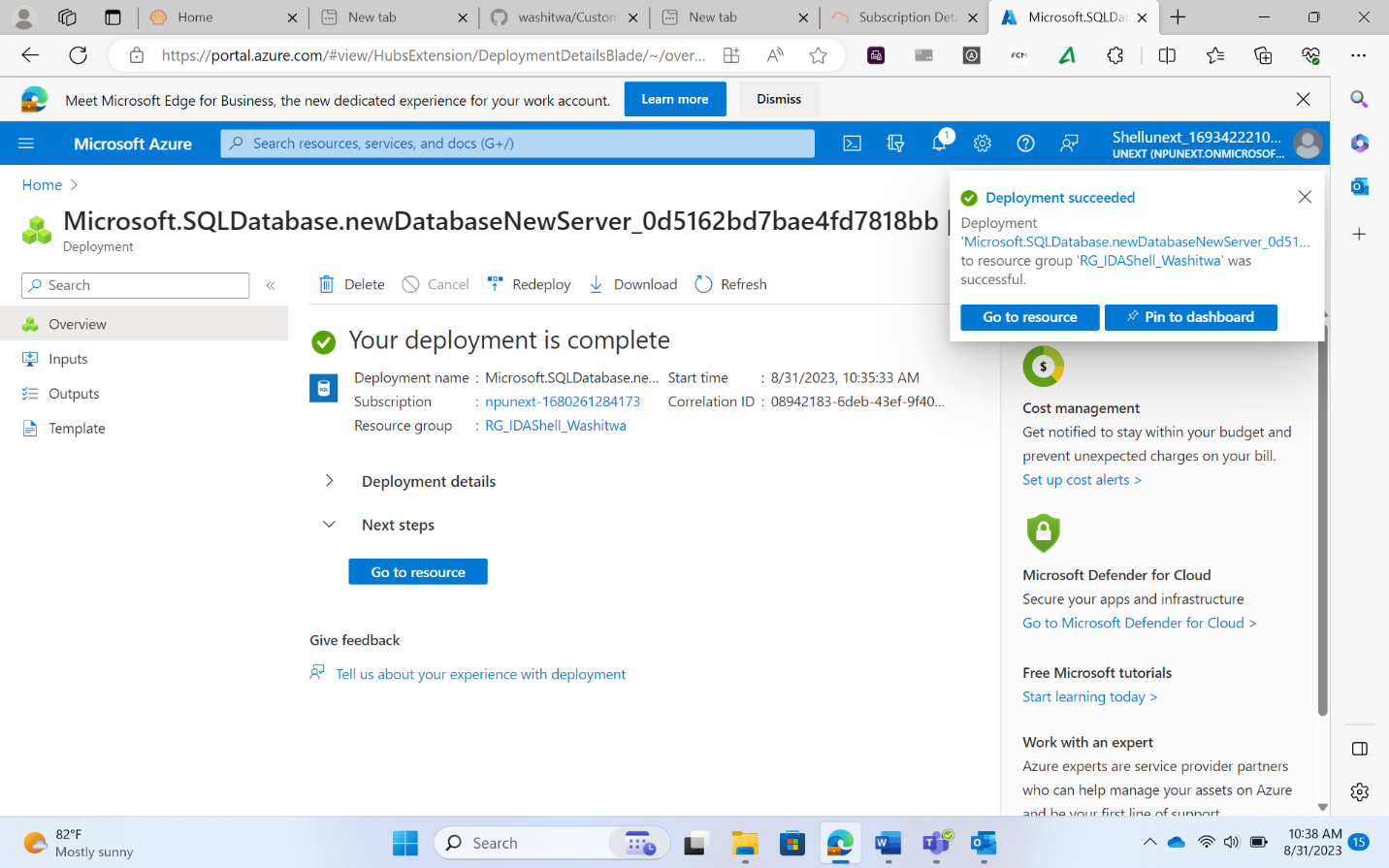
* Click on Azure SQL
* SQL Deployment Option
  + SQL Databases
  + SQL Managed Databases
  + SQL Virtual Machines
* Choose SQL Database: security patch updates, and other updates are present in SQL managed databases
* For beginners, it is best to go for SQL database
* Inside SQL database, elastic pool is used for distribution of storage resource between multiple services dynamically as per requirement
* Single database gives fixed storage services

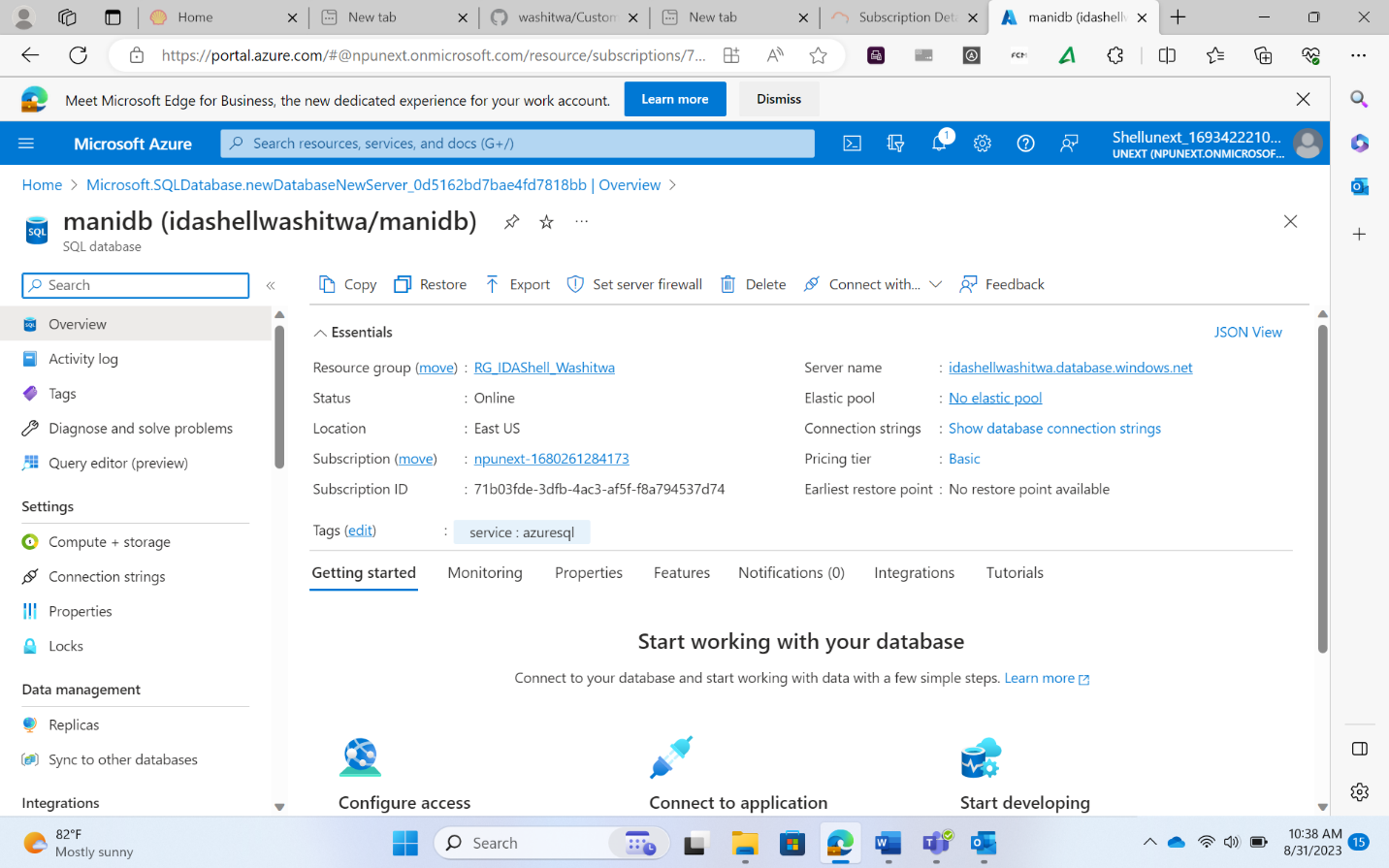
Group

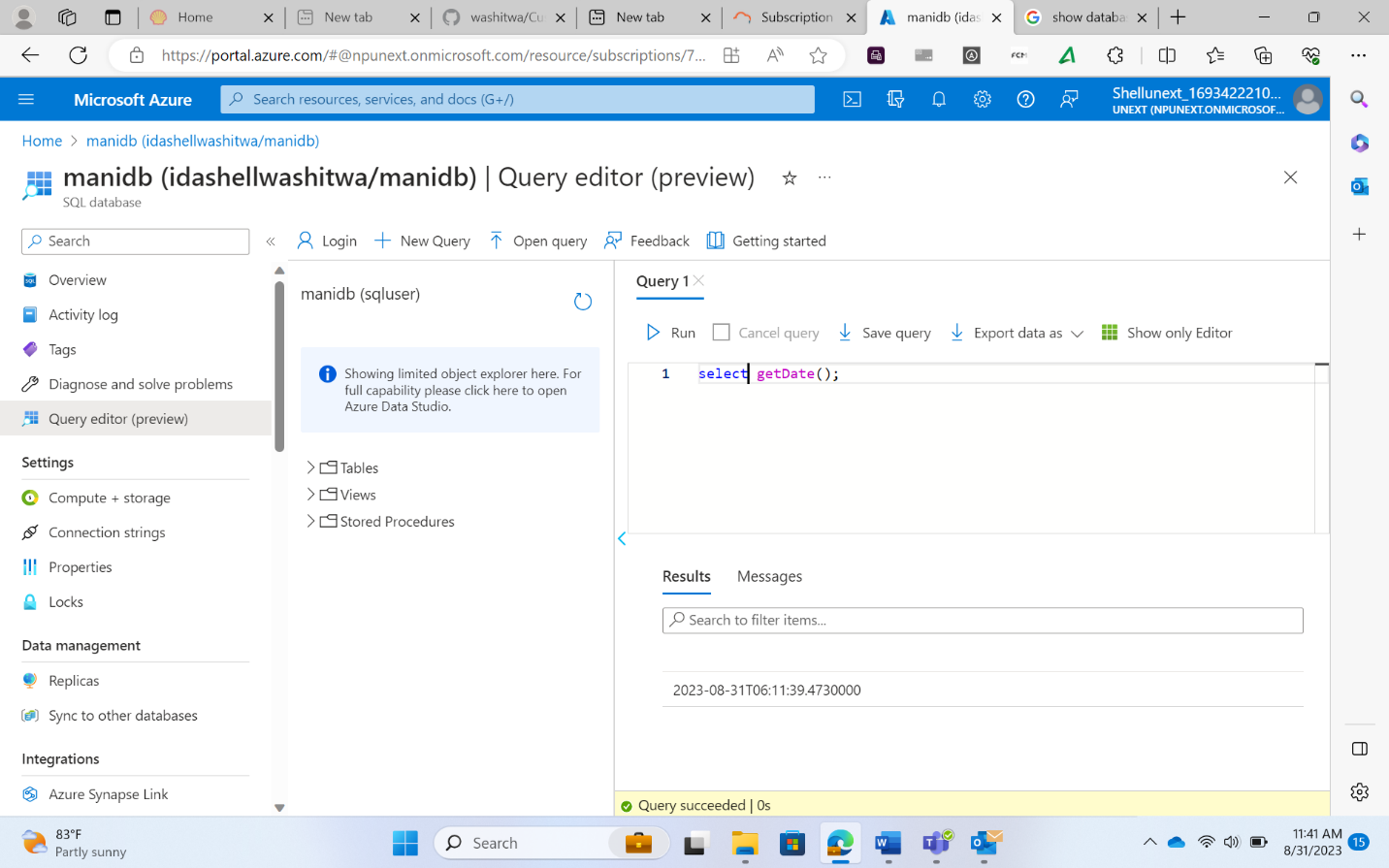
* To provide access to all the users within a group
* To provide resources collectively to all the users in a group and aoid the overhead incurred in doing it individually
* Resource Group: RG\_IDAShell\_Washitwa
* Database name: manidb
* Server name: idashellwashitwa
* SQL Authentication
  + Username: sqluser
  + Password: SQLWashitwa@140
* Microsoft has its own datasets for learning purpose
  + AdventureWorks

Data Control Language

* Grant Permission
  + To grant permission to any user
  + grant select on sch.emp\_tbl to sqladmin
  + multiple permission can also be granted
  + grant select, update, delete, insert on sch.emp\_tbl to sqladmin
* to revoke permission
  + use revoke







Default Schema

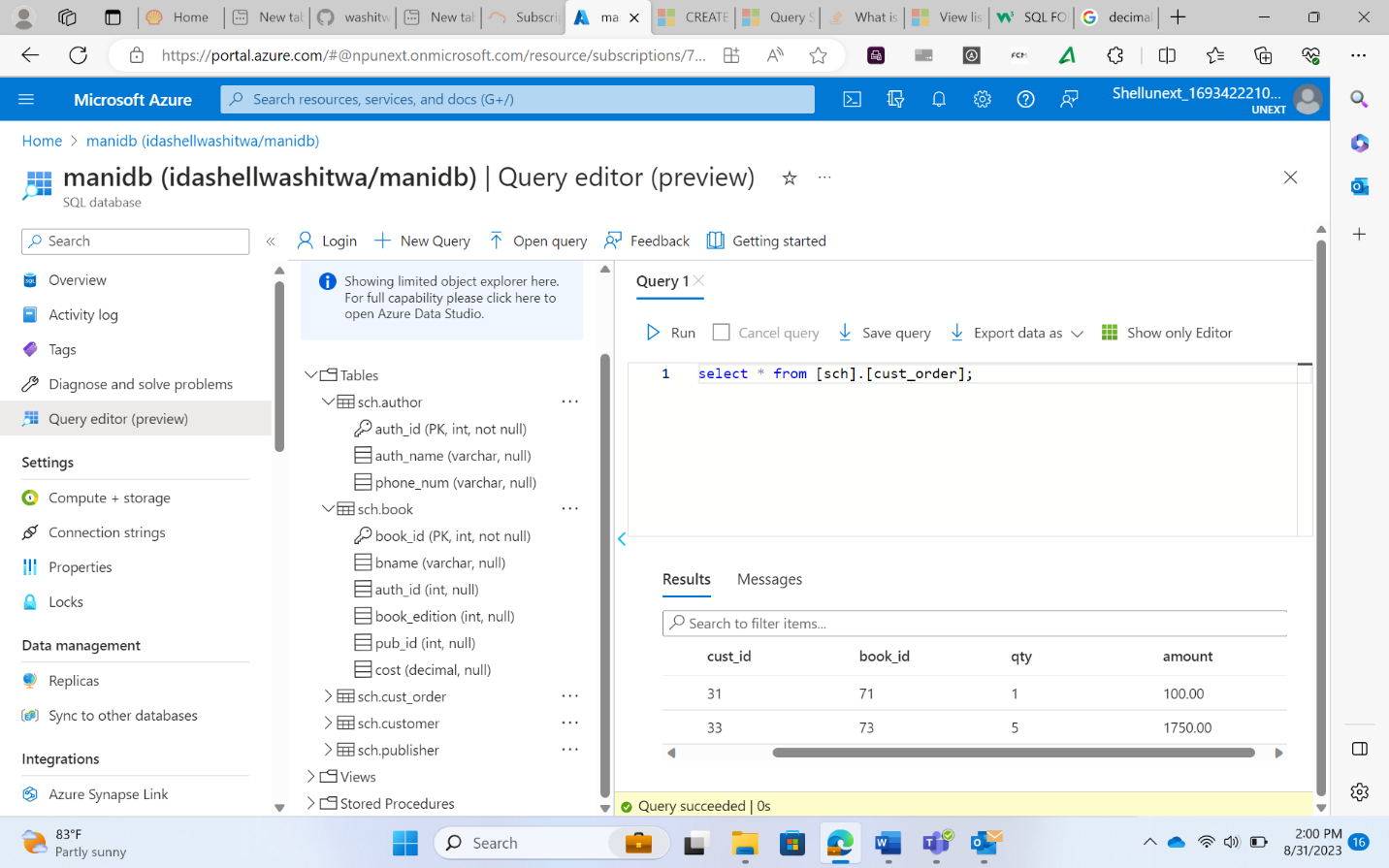
* DBO (Database Object)
* When no schema is provided, the default schema is set for a table
* Let’s say a schema is already saved with the name schema1
* If the above new schema is to be used directly, write the query as: create table schema1.tab

Access for Data Engineers

* DDL, DML, DCL are the different accesses that are provided to the data engineers to work with the data
* Accesses to all the database operations are not provided as they are not necessary for a role

Queries

* To view the database details
  + SELECT name, database\_id, create\_date FROM sys.databases;
* To create a schema
  + Create schema <schema\_name>;



Order of Execution

* The joins, group by etc. run before the select commands