EXP NO 26: Create a SQL storage service and perform a basic query using any Public Cloud Service Provider (Azure/GCP/AWS) to demonstrate Database as a Service (DaaS) using Azure.

AIM:

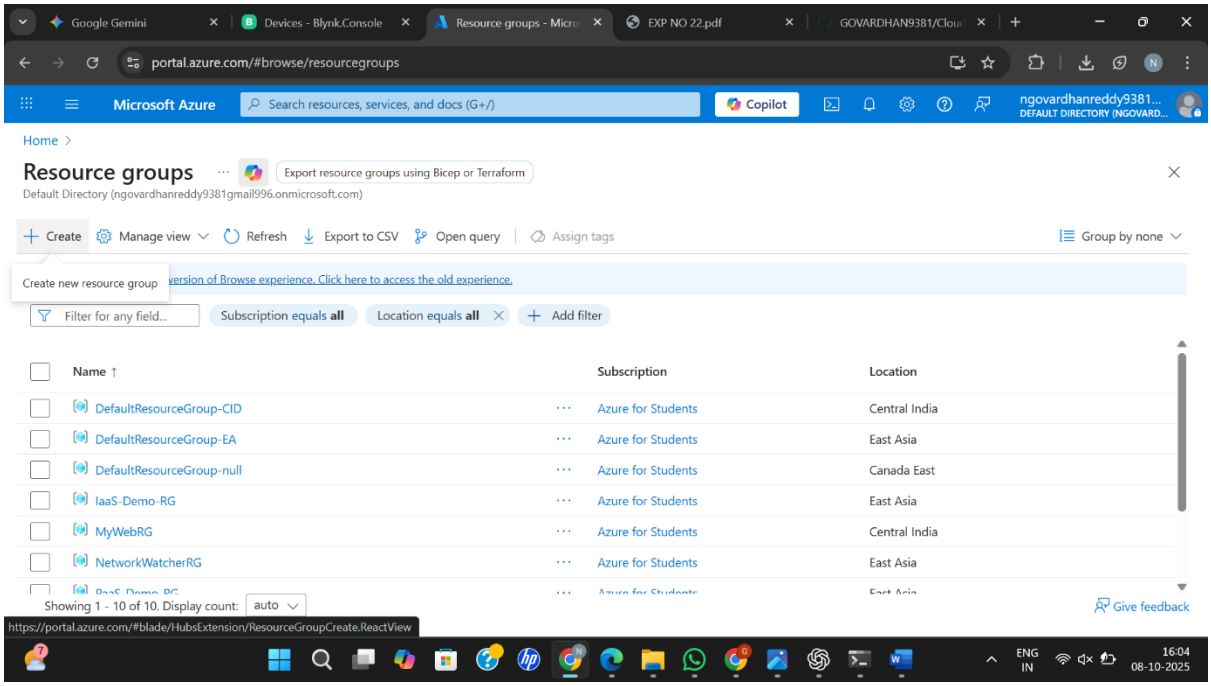
Create a SQL storage service and perform a basic query using any Public Cloud Service Provider (Azure/GCP/AWS) to demonstrate Database as a Service (DaaS) using Azure.

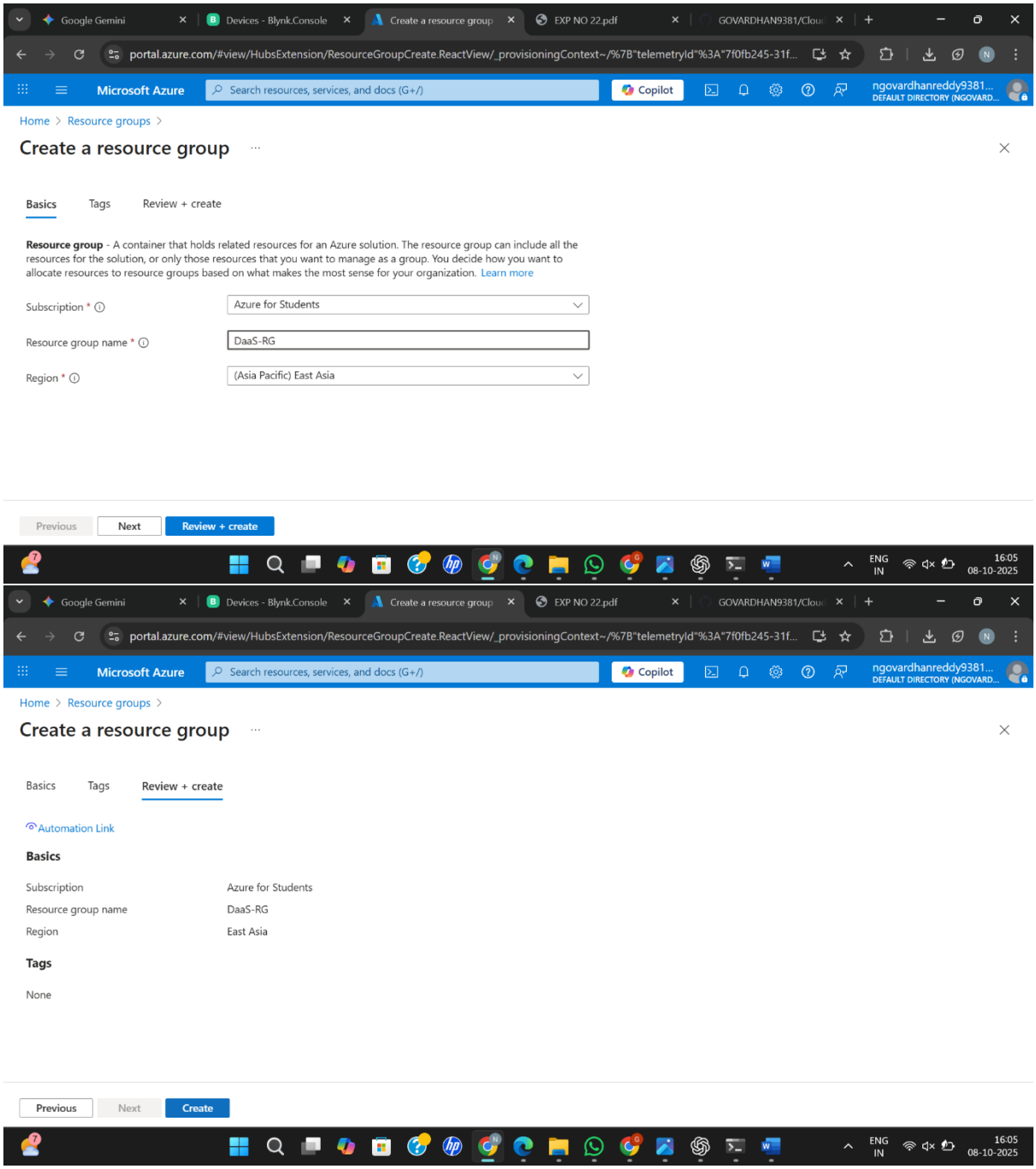
Procedure:

Procedure:

1. Log in to Azure Portal.
2. Create a SQL Database → Select Use existing data → Sample (AdventureWorksLT).
3. Open Query Editor → Sign in with credentials.
4. Run the SQL query to join tables SalesLT.ProductCategory and SalesLT.Product.
5. View the result showing product categories and product names.

Design:




Google Gemini
Devices - Blynk.Console
Create a resource group
EXP NO 22.pdf
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portal.azure.com/#view/HubsExtension/ResourceGroupCreate.ReactView/_provisioningContext~/%7B"telemetryId"%3A"7f0fb245-31f...
Microsoft Azure
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DEFAULT DIRECTORY (NGOVARD...
Home > Resource groups >
Create a resource group
Basics
Tags
Review + create
Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. Learn more
Subscription * Azure for Students
Resource group name * DaaS-RG
Region * (Asia Pacific) East Asia
Previous
Next
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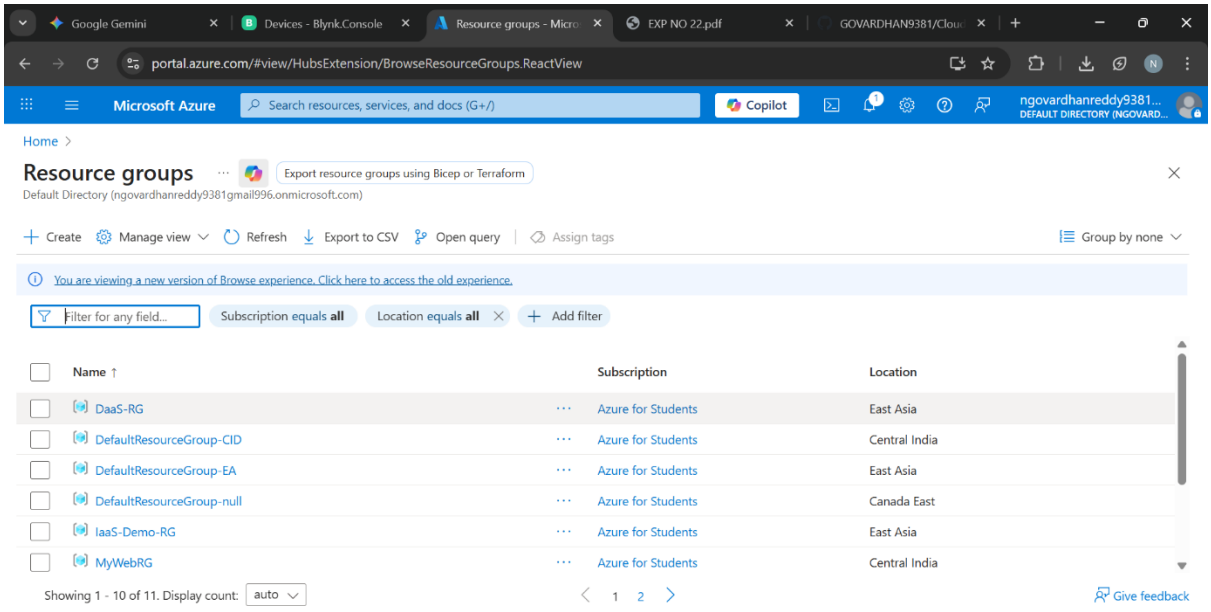
Automation Link
Basics
Subscription Azure for Students
Resource group name DaaS-RG
Region East Asia
Tags
None
Previous
Next
Create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Resource groups - Micro
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Microsoft Azure
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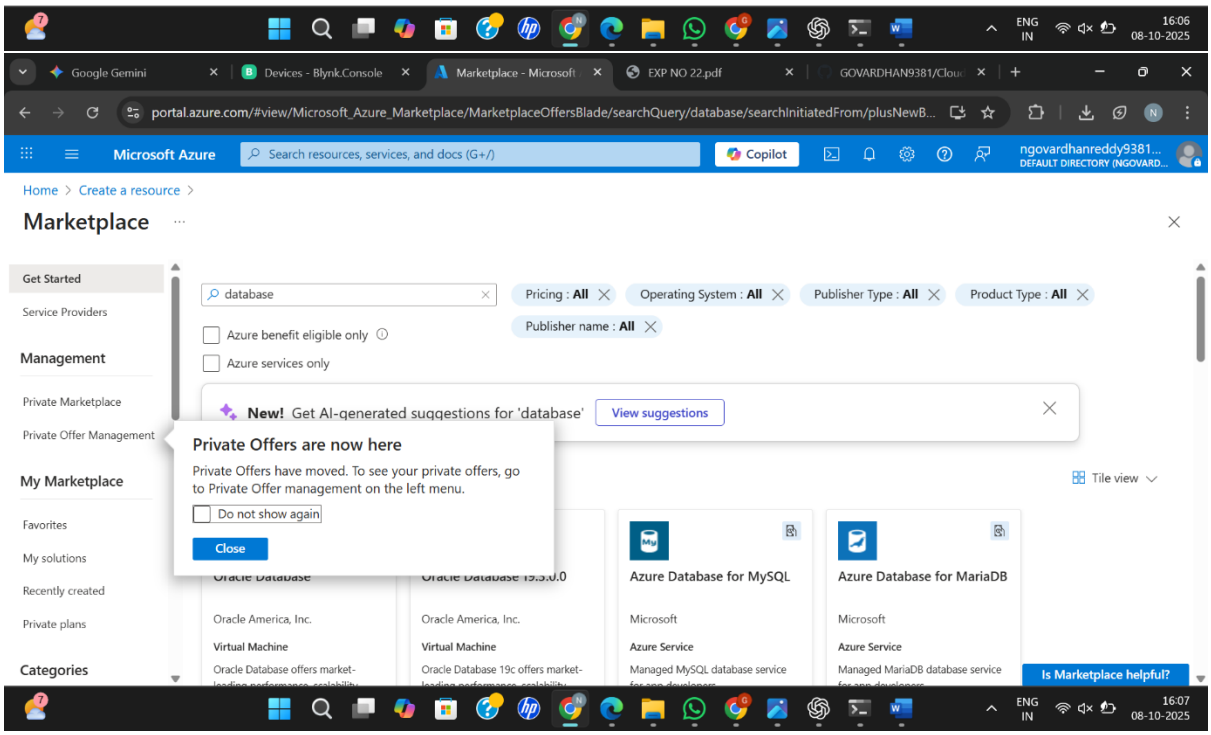
DEFAULT DIRECTORY (NGOVARD...
Home
Resource groups
Export resource groups using Bicep or Terraform
Default Directory (ngovardhanreddy9381gmail996.onmicrosoft.com)
Create
Manage view
Refresh
Export to CSV
Open query
Assign tags
Group by none
You are viewing a new version of Browse experience. Click here to access the old experience.
Filter for any field...
Subscription equals all
Location equals all
Add filter
Name
Subscription
Location
DaaS-RG
Azure for Students
East Asia
DefaultResourceGroup-CID
Azure for Students
Central India
DefaultResourceGroup-EA
Azure for Students
East Asia
DefaultResourceGroup-null
Azure for Students
Canada East
IaaS-Demo-RG
Azure for Students
East Asia
MyWebRG
Azure for Students
Central India
Showing 1 - 10 of 11. Display count: auto
1
2
Give feedback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Devices - Blynk.Console
Marketplace - Microsoft
EXP NO 22.pdf
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portal.azure.com/#view/Microsoft_Azure_Marketplace/MarketplaceOffersBlade/searchQuery/database/searchInitiatedFrom/plusNewB...
Microsoft Azure
Search resources, services, and docs (G+/)
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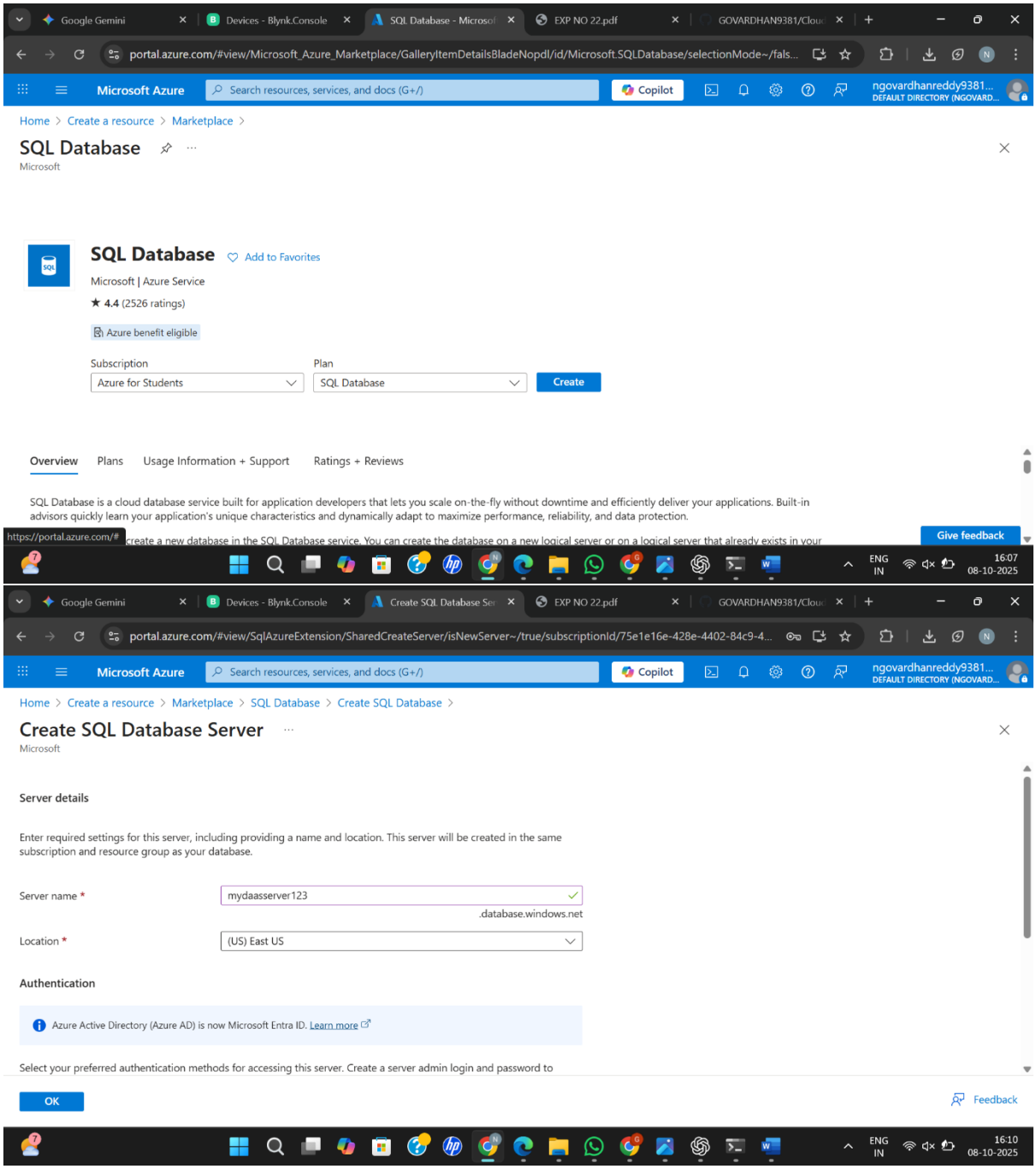
DEFAULT DIRECTORY (NGOVARD...
Home
Create a resource
Marketplace
Get Started
Service Providers
Management
Private Marketplace
Private Offer Management
My Marketplace
Favorites
My solutions
Recently created
Private plans
Categories
database
Pricing : All
Operating System : All
Publisher Type : All
Product Type : All
Publisher name : All
Azure benefit eligible only
Azure services only
New! Get AI-generated suggestions for 'database'
View suggestions
Private Offers are now here
Private Offers have moved. To see your private offers, go to Private Offer management on the left menu.
Do not show again
Close
Tile view
Azure Database for MySQL
Microsoft
Azure Service
Managed MySQL database service
Azure Database for MariaDB
Microsoft
Azure Service
Managed MariaDB database service
Oracle America, Inc.
Virtual Machine
Oracle America, Inc.
Virtual Machine
Is Marketplace helpful?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SQL Database - Microsof
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DEFAULT DIRECTORY (NGOVARD...
Home > Create a resource > Marketplace >
SQL Database
Microsoft
SQL Database
Add to Favorites
Microsoft | Azure Service
★ 4.4 (2526 ratings)
Azure benefit eligible
Subscription
Azure for Students
Plan
SQL Database
Create
Overview
Plans
Usage Information + Support
Ratings + Reviews
SQL Database is a cloud database service built for application developers that lets you scale on-the-fly without downtime and efficiently deliver your applications. Built-in advisors quickly learn your application's unique characteristics and dynamically adapt to maximize performance, reliability, and data protection.
https://portal.azure.com/#
Give feedback
ENG
IN
16:07
08-10-2025

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Devices - Blynk.Console
Create SQL Database Ser
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portal.azure.com/#view/SqlAzureExtension/SharedCreateServer/isNewServer~/true/subscriptionId/75e1e16e-428e-4402-84c9-4...
Microsoft Azure
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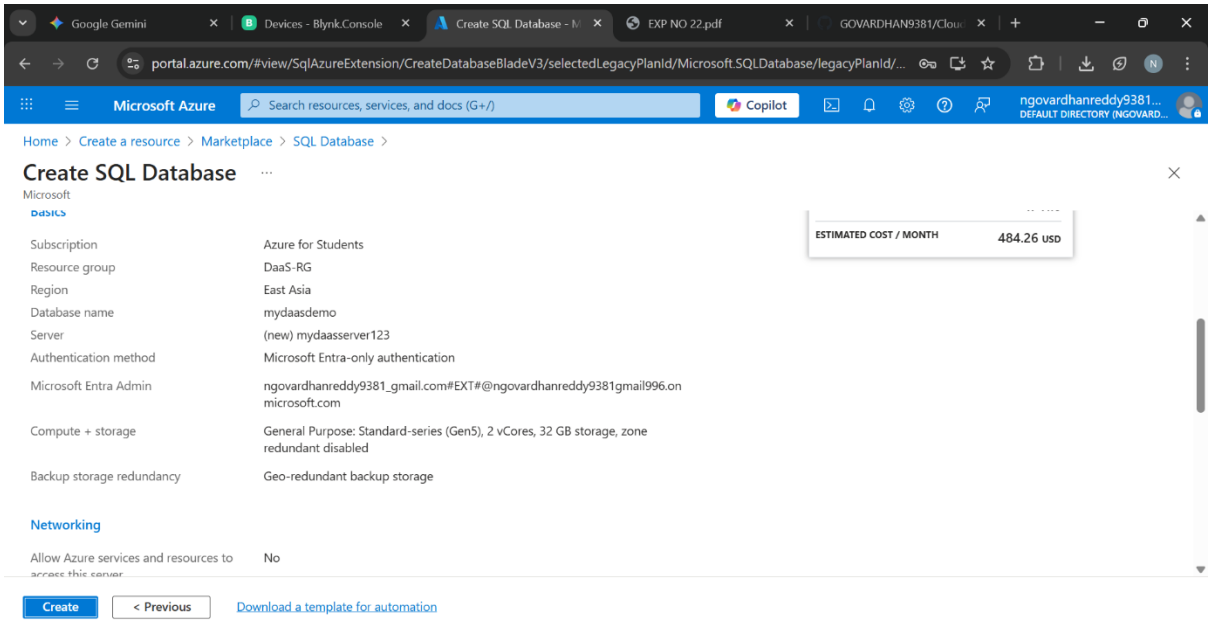
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
Home > Create a resource > Marketplace > SQL Database > Create SQL Database >
Create SQL Database Server
Microsoft
Server details
Enter required settings for this server, including providing a name and location. This server will be created in the same subscription and resource group as your database.
Server name *
mydaasserver123
.database.windows.net
Location *
(US) East US
Authentication
Azure Active Directory (Azure AD) is now Microsoft Entra ID. Learn more
Select your preferred authentication methods for accessing this server. Create a server admin login and password to
OK
Feedback
ENG
IN
16:10
08-10-2025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Create SQL Database -
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portal.azure.com/#view/SqlAzureExtension/CreateDatabaseBladeV3/selectedLegacyPlanId/Microsoft.SQLDatabase/legacyPlanId/...
Microsoft Azure
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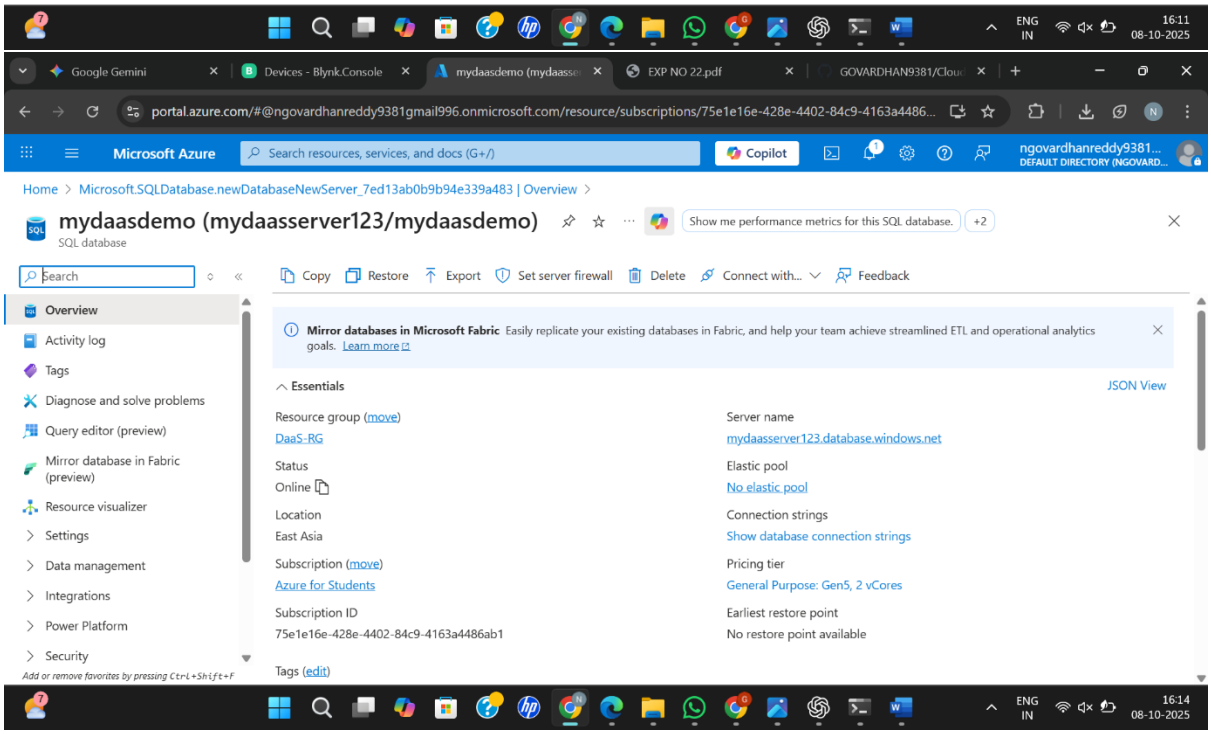
DEFAULT DIRECTORY (NGOVARD...
Home > Create a resource > Marketplace > SQL Database >
Create SQL Database
Microsoft
Basics
Subscription Azure for Students
Resource group DaaS-RG
Region East Asia
Database name mydaasdemo
Server (new) mydaasserver123
Authentication method Microsoft Entra-only authentication
Microsoft Entra Admin ngovardhanreddy9381_gmail.com#EXT#@ngovardhanreddy9381gmail996.onmicrosoft.com
Compute + storage General Purpose: Standard-series (Gen5), 2 vCores, 32 GB storage, zone redundant disabled
Backup storage redundancy Geo-redundant backup storage
ESTIMATED COST / MONTH 484.26 USD
Networking
Allow Azure services and resources to access this server No
Create
< Previous
Download a template for automation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Microsoft Azure
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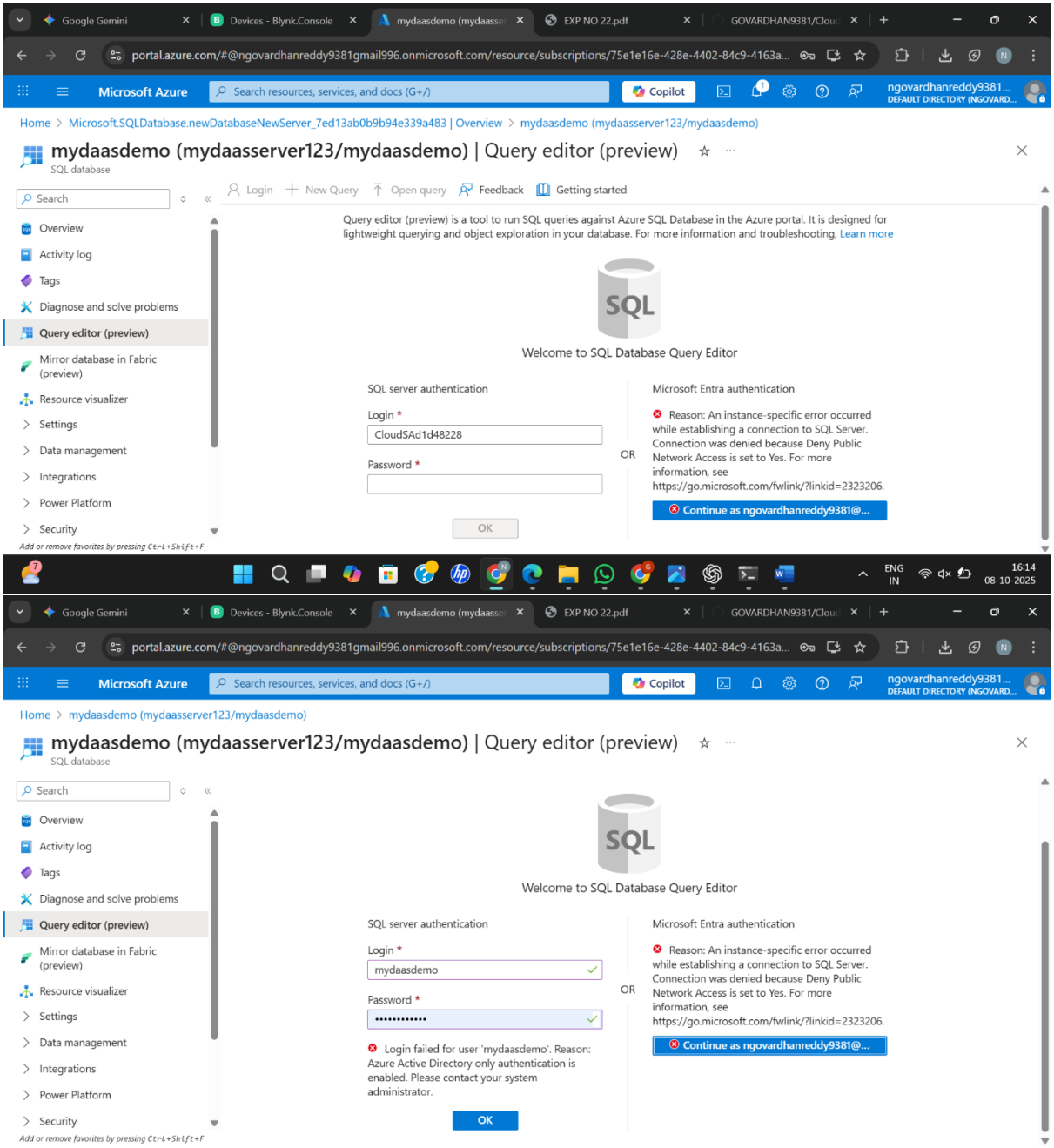
DEFAULT DIRECTORY (NGOVARD...
Home > Microsoft.SQLDatabase.newDatabaseNewServer_7ed13ab0b9b94e339a483 | Overview >
mydaasdemo (mydaasserver123/mydaasdemo)
SQL database
Show me performance metrics for this SQL database.
+2
Search
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Power Platform
Security
Add or remove favorites by pressing Ctrl+Shift+F
Copy
Restore
Export
Set server firewall
Delete
Connect with...
Feedback
Mirror databases in Microsoft Fabric Easily replicate your existing databases in Fabric, and help your team achieve streamlined ETL and operational analytics goals. Learn more
Essentials
JSON View
Resource group (move) DaaS-RG
Status Online
Location East Asia
Subscription (move) Azure for Students
Subscription ID 75e1e16e-428e-4402-84c9-4163a4486ab1
Tags (edit)
Server name mydaasserver123.database.windows.net
Elastic pool No elastic pool
Connection strings Show database connection strings
Pricing tier General Purpose: Gen5, 2 vCores
Earliest restore point No restore point available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Microsoft Azure
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DEFAULT DIRECTORY (NGOVARD...
Home > Microsoft.SQLDatabase.newDatabaseNewServer_7ed13ab0b9b94e339a483 | Overview > mydaasdemo (mydaasserver123/mydaasdemo)
mydaasdemo (mydaasserver123/mydaasdemo) | Query editor (preview)
SQL database
Search
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Power Platform
Security
Add or remove favorites by pressing Ctrl+Shift+F
Login
New Query
Open query
Feedback
Getting started
Query editor (preview) is a tool to run SQL queries against Azure SQL Database in the Azure portal. It is designed for lightweight querying and object exploration in your database. For more information and troubleshooting, Learn more
SQL
Welcome to SQL Database Query Editor
SQL server authentication
Login *
CloudSAd1d48228
Password *
OK
OR
Microsoft Entra authentication
Reason: An instance-specific error occurred while establishing a connection to SQL Server. Connection was denied because Deny Public Network Access is set to Yes. For more information, see https://go.microsoft.com/fwlink/?linkid=2323206.
Continue as ngovardhanreddy9381@...
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08-10-2025

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Devices - Blynk.Console
mydaasdemo (mydaasse
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portal.azure.com/#@ngovardhanreddy9381gmail996.onmicrosoft.com/resource/subscriptions/75e1e16e-428e-4402-84c9-4163a...
Microsoft Azure
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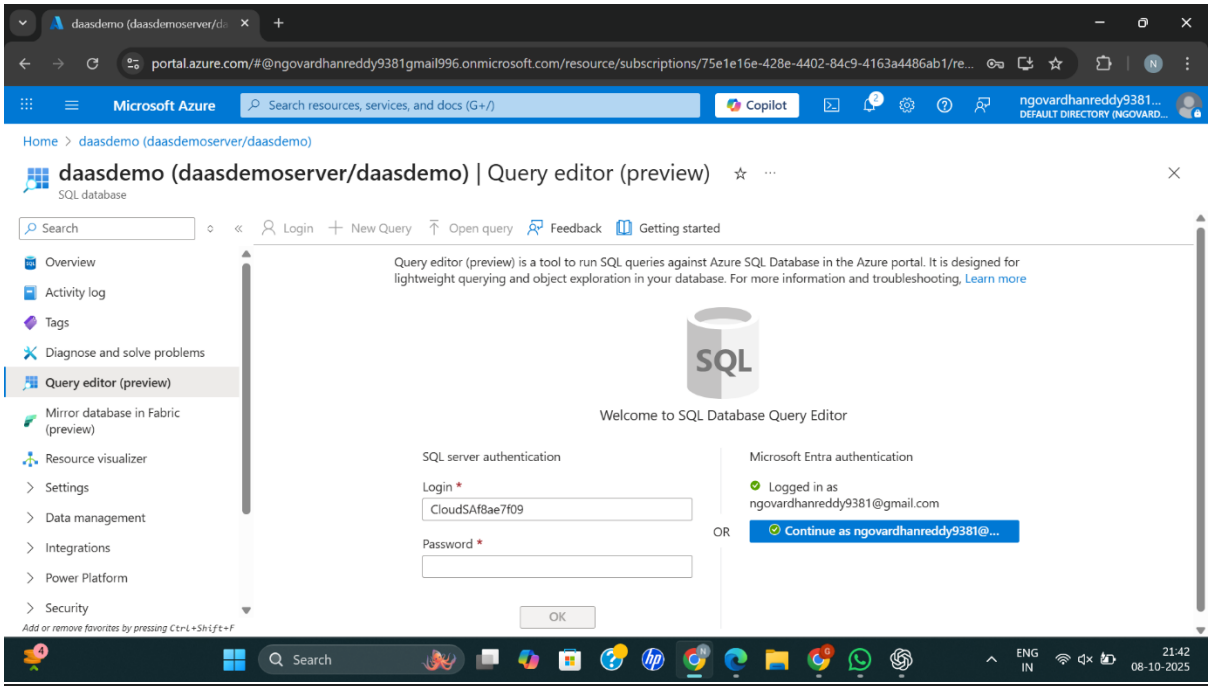
Copilot
ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...
Home > mydaasdemo (mydaasserver123/mydaasdemo)
mydaasdemo (mydaasserver123/mydaasdemo) | Query editor (preview)
SQL database
Search
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Power Platform
Security
Add or remove favorites by pressing Ctrl+Shift+F
SQL
Welcome to SQL Database Query Editor
SQL server authentication
Login *
mydaasdemo
Password *
Login failed for user 'mydaasdemo'. Reason: Azure Active Directory only authentication is enabled. Please contact your system administrator.
OK
OR
Microsoft Entra authentication
Reason: An instance-specific error occurred while establishing a connection to SQL Server. Connection was denied because Deny Public Network Access is set to Yes. For more information, see https://go.microsoft.com/fwlink/?linkid=2323206.
Continue as ngovardhanreddy9381@...


daasdemo (daasdemoserver/da
portal.azure.com/#@ngovardhanreddy9381gmail996.onmicrosoft.com/resource/subscriptions/75e1e16e-428e-4402-84c9-4163a4486ab1/re...
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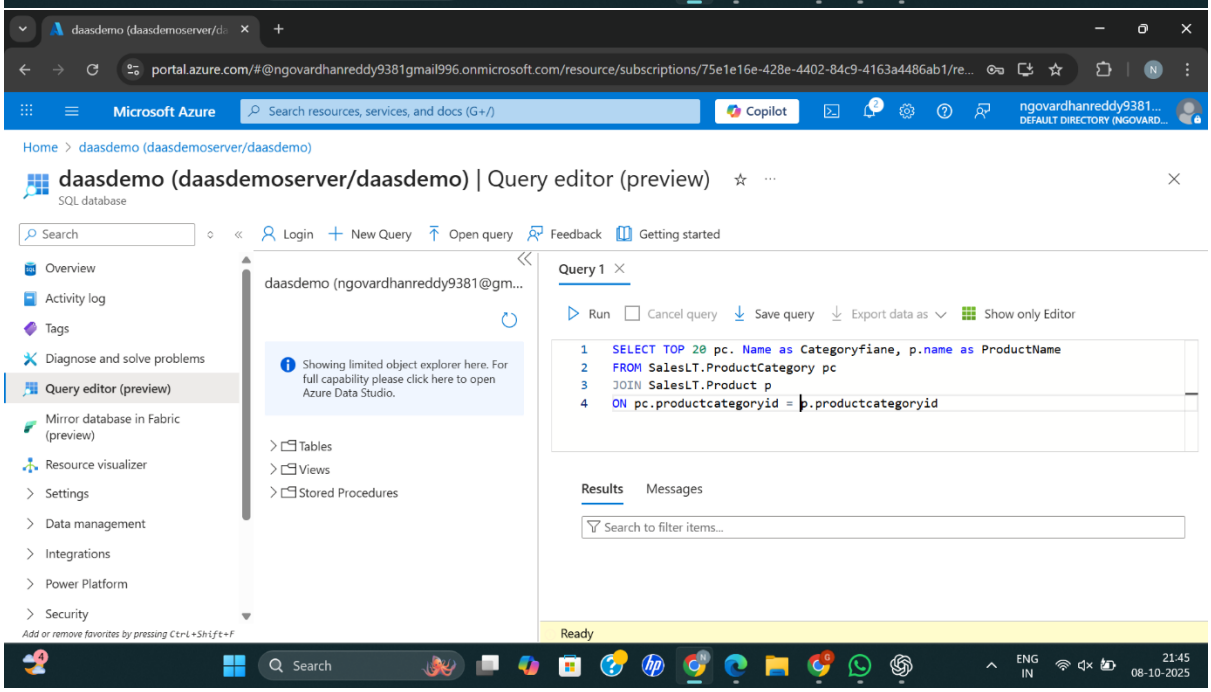
DEFAULT DIRECTORY (NGOVARD...
Home > daasdemo (daasdemoserver/daasdemo)
daasdemo (daasdemoserver/daasdemo) | Query editor (preview)
SQL database
Search
Login
New Query
Open query
Feedback
Getting started
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Power Platform
Security
Add or remove favorites by pressing Ctrl+Shift+F
Query editor (preview) is a tool to run SQL queries against Azure SQL Database in the Azure portal. It is designed for lightweight querying and object exploration in your database. For more information and troubleshooting, Learn more
SQL
Welcome to SQL Database Query Editor
SQL server authentication
Login *
CloudSAf8ae7f09
Password *
OK
OR
Microsoft Entra authentication
Logged in as ngovardhanreddy9381@gmail.com
Continue as ngovardhanreddy9381@...
Search
ENG IN
21:42
08-10-2025


daasdemo (daasdemoserver/da
portal.azure.com/#@ngovardhanreddy9381gmail996.onmicrosoft.com/resource/subscriptions/75e1e16e-428e-4402-84c9-4163a4486ab1/re...
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DEFAULT DIRECTORY (NGOVARD...
Home > daasdemo (daasdemoserver/daasdemo)
daasdemo (daasdemoserver/daasdemo) | Query editor (preview)
SQL database
Search
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New Query
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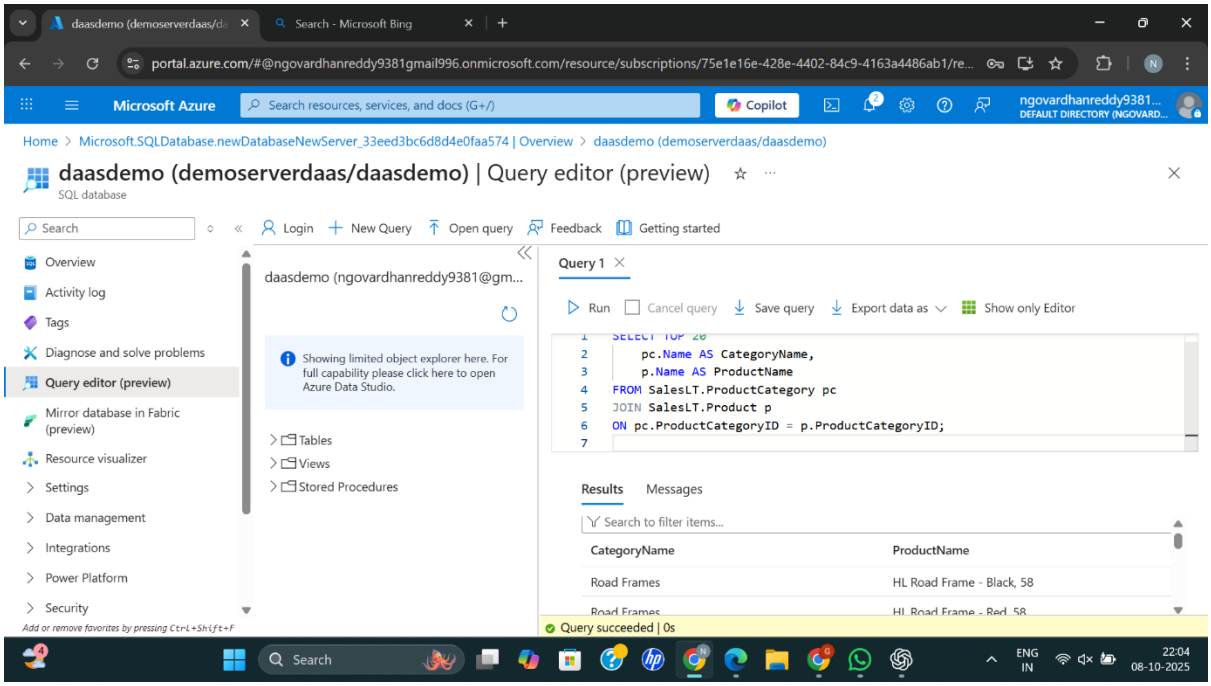
Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Mirror database in Fabric (preview)
Resource visualizer
Settings
Data management
Integrations
Power Platform
Security
Add or remove favorites by pressing Ctrl+Shift+F
daasdemo (ngovardhanreddy9381@gm...
Showing limited object explorer here. For full capability please click here to open Azure Data Studio.
Tables
Views
Stored Procedures
Query 1
Run
Cancel query
Save query
Export data as
Show only Editor
1 SELECT TOP 20 pc. Name as Categoryfiane, p.name as ProductName
2 FROM SalesLT.ProductCategory pc
3 JOIN SalesLT.Product p
4 ON pc.productcategoryid = p.productcategoryid
Results
Messages
Search to filter items...
Ready
Search
ENG IN
21:45
08-10-2025



Result:

Successfully created and queried an Azure SQL Database using sample data — demonstrating Database as a Service (DaaS).