

## 8.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)

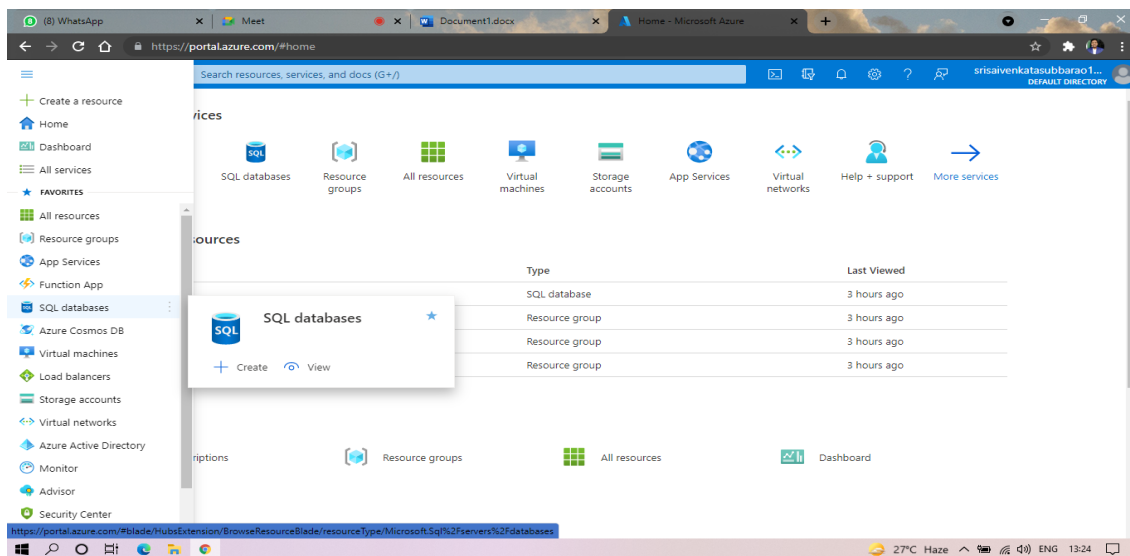
**AIM:**

**PROCEDURE:**

**IMPLEMENTATION:**

**STEP1: GOTO AZURE AND GOTO SQLDATABASE.**

**STEP 02:- Now Create a Sql Database**



### STEP3: SELECT THE RESOURCE GROUP AND ENTER THE SERVERNAME THAT APPLICABLE.

The screenshot shows the 'Create SQL Database' wizard in the Microsoft Azure portal. The 'Project details' tab is active, showing the 'Subscription' as 'Azure for Students' and the 'Resource group' as 'test'. The 'Database details' section has a text input for 'Database name'.

Home > SQL databases > **SQL databases**  
Default Directory  
+ Create Reservations ...

Filter for any field...

Name ↑

test-db (srisai123/test-db)

### Create SQL Database

Microsoft

Basics Networking Security Additional settings Tags Review + create

Create a SQL database with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \* Azure for Students

Resource group \* test [Create new](#)

**Database details**

Enter required settings for this database, including picking a logical server and configuring the compute and storage resources

Database name \* Enter database name

Page 1 of 1

[Review + create](#) [Next: Networking >](#)

### STEP4: IN NETWORKING SELECT ALLOW AZURE SERVICES AND RESOURCES TO ACCESS THIS SERVER.

The screenshot shows the 'Create SQL Database' wizard in the Microsoft Azure portal, specifically the 'Networking' tab. It includes instructions on configuring network access and a toggle for 'Allow Azure services and resources to access this server' which is currently set to 'Yes'.

Home > SQL databases > **Create SQL Database**  
Microsoft

Basics **Networking** Security Additional settings Tags Review + create

Configure network access and connectivity for your server. The configuration selected below will apply to the selected server 'srisai123' and all databases it manages. [Learn more](#)

**Firewall rules**

The settings displayed below are read-only. They can be modified from the "Firewalls and virtual networks" blade after database creation. [Learn more](#)

Allow Azure services and resources to access this server ☒ No ☒ Yes

**Private endpoints**

Private endpoint connections are associated with a private IP address within a Virtual Network. The list below shows all the private endpoint connections for this server. Note that private endpoint connections are defined at the server level and they provide access to all databases in the server. [Learn more](#)

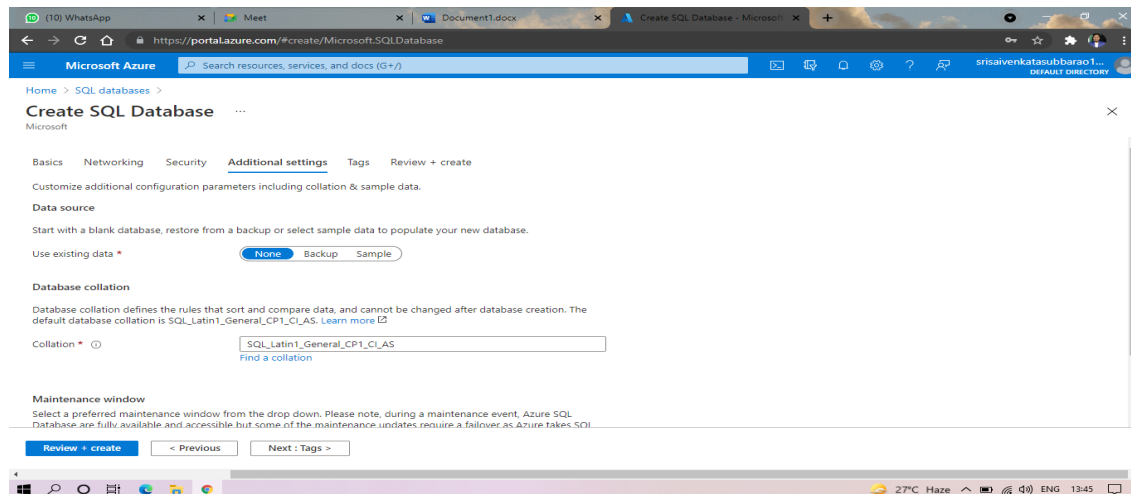
+ Add private endpoint

Name	Subscription	Resource group	Region	Subnet
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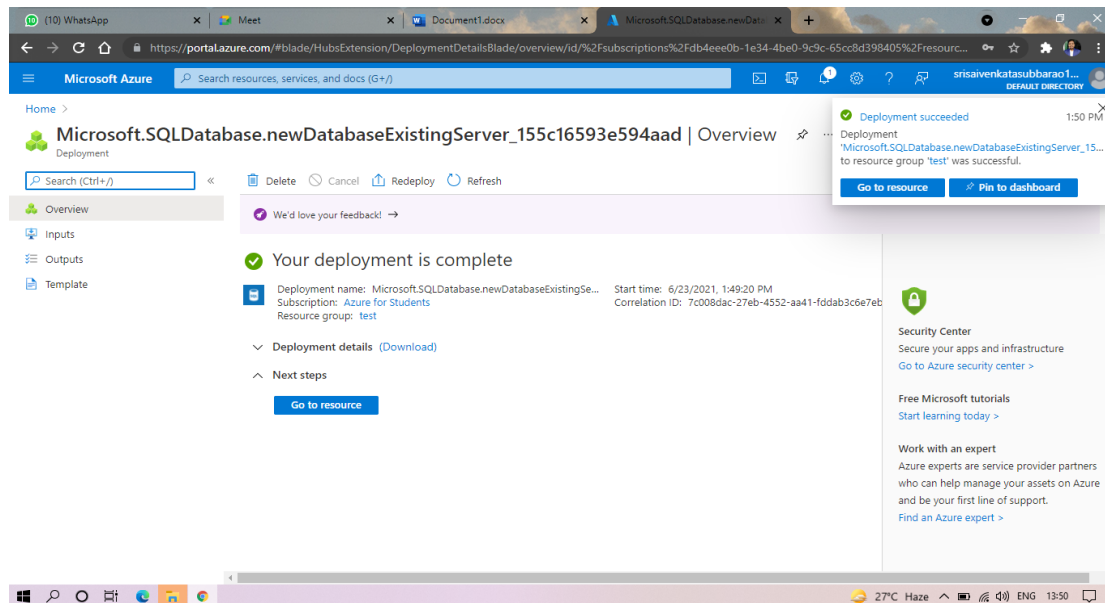
Click on add to create private endpoint

[Review + create](#) [< Previous](#) [Next: Security >](#)

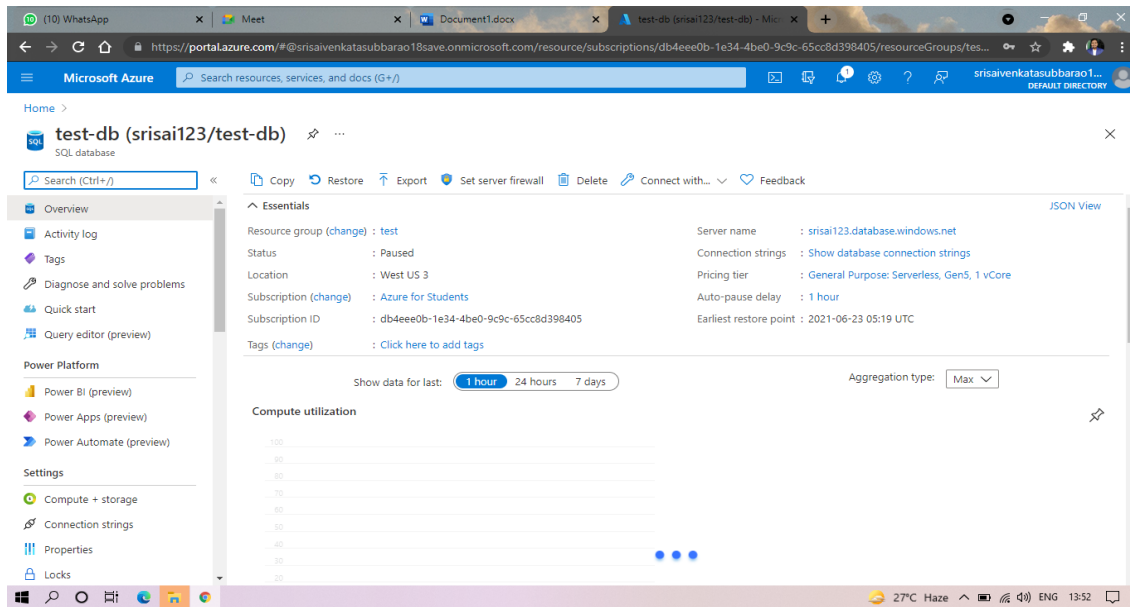
### STEP5: IN ADDITIONAL SETTINGS SELECT SAMPLE.



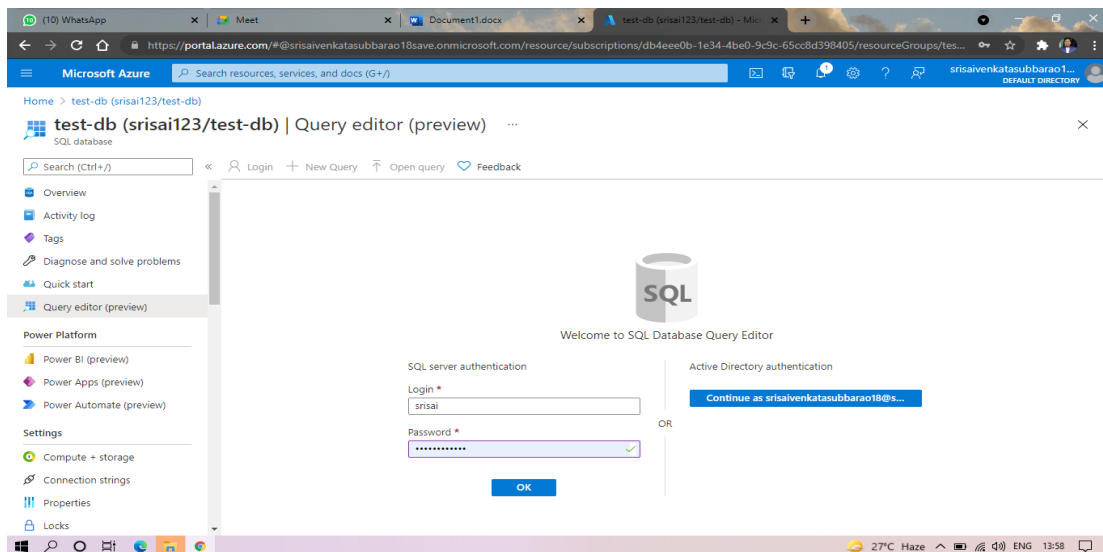
## STEP6:AND THE SQL DATABASE IS DEPLOYED.



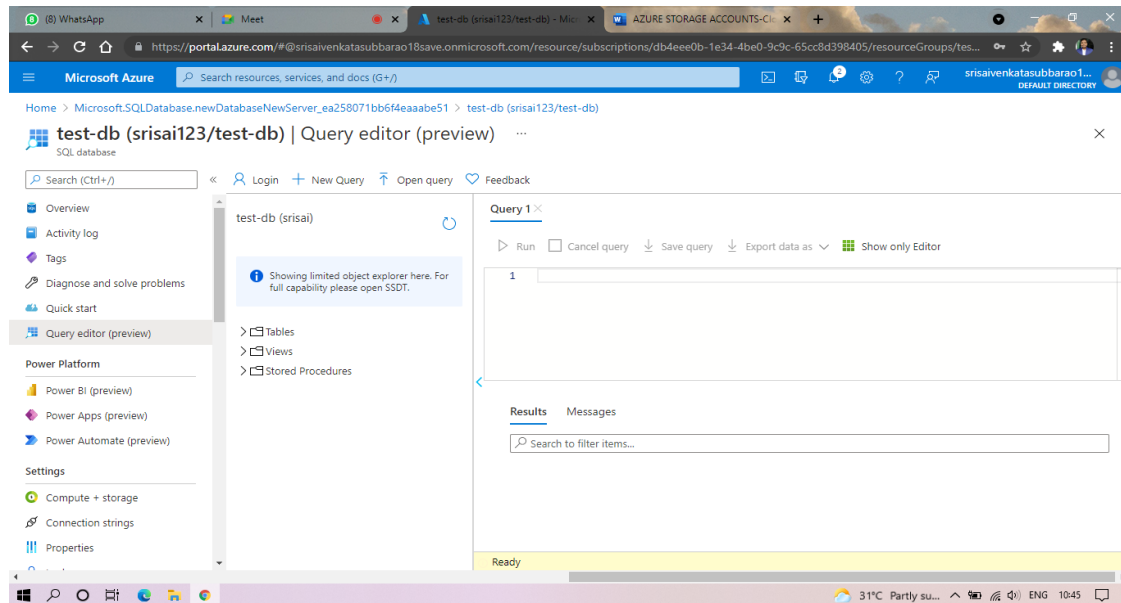
## STEP7:AND NOW GOTO QUERY EDITOR.



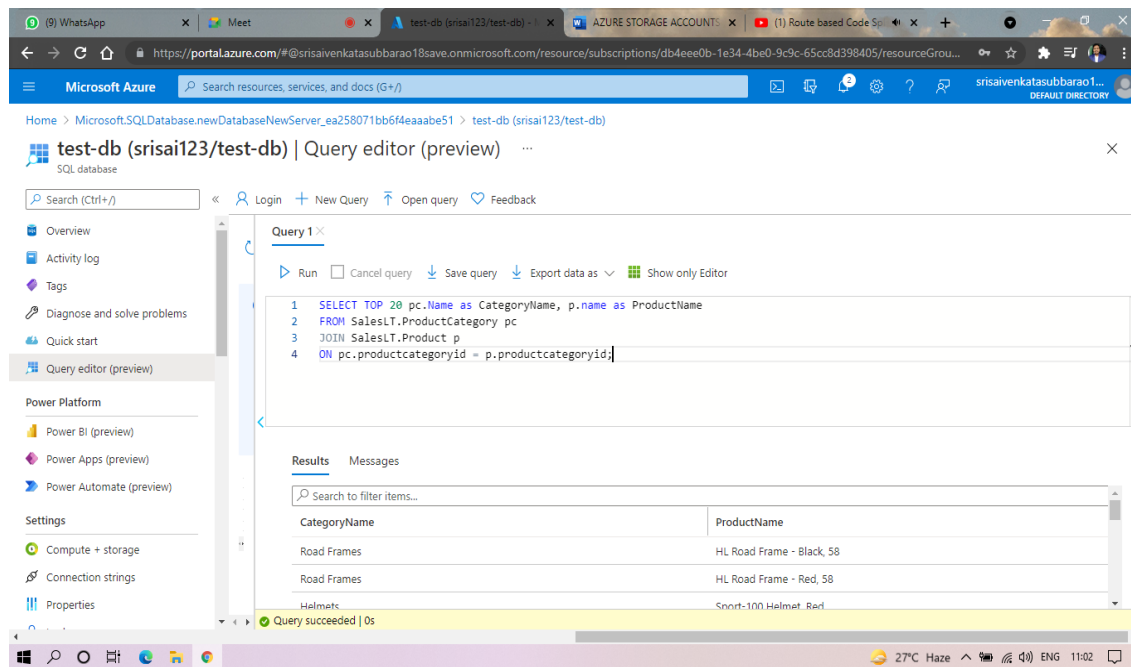
## STEP8:AND NOW AGAIN LOGIN TO THE SQLDATADATABASE



## STEP: AND OUR TABLES WILL SHOWN AND TYPE THE QUERY TO EXCUTED.



## STEP10: AND OUR OUTPUT IS READY.



## RESULT:

# Create SQL Database

Microsoft

- Basics
- Networking
- Security
- Additional settings
- Tags
- Review + create

Customize additional configuration parameters including collation & sample data.

## Data source

Start with a blank database, restore from a backup or select sample data to populate your new database.

Use existing data \*

None

Backup

Sample

## Database collation

Database collation defines the rules that sort and compare data, and cannot be changed after database creation. The default database collation is SQL\_Latin1\_General\_CP1\_CI\_AS. [Learn more](#)

Collation \*

SQL\_Latin1\_General\_CP1\_CI\_AS

Find a collation

## Maintenance window

Select a preferred maintenance window from the drop down. Please note, during a maintenance event, Azure SQL Database are fully available and accessible but some of the maintenance updates require a failover as Azure takes SQL

Review + create

< Previous

Next : Tags >

test-db (srisai123/test-db) | Query editor (preview) ...



Search (Ctrl+/) Login + New Query Open query Feedback

- Overview
- Activity log
- Tags
- Diagnose and solve problems
- Quick start
- Query editor (preview)

- Power Platform
- Power BI (preview)
  - Power Apps (preview)
  - Power Automate (preview)

- Settings
- Compute + storage
  - Connection strings
  - Properties

Query 1

Run Cancel query Save query Export data as Show only Editor

```
1 SELECT TOP 20 pc.Name as CategoryName, 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...

CategoryName	ProductName
Road Frames	HL Road Frame - Black, 58
Road Frames	HL Road Frame - Red, 58
Helmets	Short-100 Helmet - Red

Query succeeded | 0s