Assignment 2 Azure SQL DB Creation

Create a new Azure SQL DB with the name 'Mission100+Yourname+DOB+DB' inside the resource group 'azurelib'.

Keep the Sample Db included while creating this Db.

You need to create a new DB server as well while creating this Database.

Remark: Ensure you are choosing the Basic tier while making the DB, to have low cost.

Steps

Providing Basic details

Create SQL Database
Microsoft

Project details

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

Subscription * ⓘ	Free Trial
Resource group * ⓘ	Azurelib
	Create new

kjiubiubwvupwueg087bge

Database details

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

Database name *	mission100rajasekhar04061998db ✓
Server * ⓘ	(new) azurelibdatabaseserver12 (East US)
	Create new
Want to use SQL elastic pool? ⓘ	○ Yes ● No
Workload environment	● Development ○ Production

Cost summary

Basic (Basic)	
Cost per DTU (in INR)	76.93
DTUs selected	x 5
ESTIMATED COST / MONTH	**384.63 INR**

[Review + create] [Next : Networking >]

Creating Database server

Create SQL Database Server
Microsoft

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 *	azurelibdatabaseserver12 ✓
	.database.windows.net
Location *	(US) East US

Authentication

Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Azure AD authentication Learn more ⧉ using an existing Azure AD user, group, or application as Azure AD admin Learn more ⧉, or select both SQL and Azure AD authentication.

Authentication method	○ Use only Azure Active Directory (Azure AD) authentication ○ Use both SQL and Azure AD authentication ● Use SQL authentication
Server admin login *	azurelib ✓
Password *	•••••••••••••• ✓
Confirm password *	•••••••••••••• ✓

[OK]

Configuring the Compute Service

Configure ...

Feedback

Service and compute tier

Select from the available tiers based on the needs of your workload. The vCore model provides a wide range of configuration controls and offers Hyperscale and Serverless to automatically scale your database based on your workload needs. Alternately, the DTU model provides set price/performance packages to choose from for easy configuration. Learn more

Service tier	Basic (For less demanding workloads) ⌄

Compare service tiers

DTUs Compare DTU options

5 (Basic)

Data max size (GB)

[2]

Cost summary

Basic (Basic)
Cost per **DTU** (in INR)   76.93
DTUs selected   x 5

ESTIMATED COST / MONTH   384.63 INR

Providing Access and resources in the Database

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 'azurelibdatabaseserver12' and all databases it manages. Learn more

Network connectivity

Choose an option for configuring connectivity to your server via public endpoint or private endpoint. Choosing no access creates with defaults and you can configure connection method after server creation. Learn more

Connectivity method * (i)
- ○ No access
- ● Public endpoint
- ○ Private endpoint

Firewall rules

Setting 'Allow Azure services and resources to access this server' to Yes allows communications from all resources inside the Azure boundary, that may or may not be part of your subscription. Learn more
Setting 'Add current client IP address' to Yes will add an entry for your client IP address to the server firewall.

Allow Azure services and resources to access this server *   [No | **Yes**]

Add current client IP address *   [**No** | Yes]

Cost summary

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Enabling sample data and creating the Database

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)

AdventureWorksLT will be created as the sample database.

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

SQL

Cost summary

Basic (Basic)
Cost per **DTU** (in INR)   76.93
DTUs selected   x 5

ESTIMATED COST / MONTH   384.63 INR

Finally Checking and Querying the Table

🗔 **mission100rajasekhar04061998db (azurelibdatabaseserver12/mission100rajasekhar04061998db)** | Query editor (preview)
SQL database

⟩   ⍺ Login   + New Query   ⬆ Open query   ⟰ Feedback   🔖 Getting started

mission100rajasekhar04061998d...   ↻

| Query 1 × | **Query 2** × |

▷ Run   ☐ Cancel query   ⬇ Save query   ⬇ Export data as ∨   ⊞ Show only Editor

ⓘ Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

```
1    SELECT TOP (1000) * FROM [SalesLT].[Customer]
```

∨ ⊞ Tables
   ⟩ ⊞ dbo.BuildVersion   ⋯
   ⟩ ⊞ dbo.ErrorLog   ⋯
   ⟩ ⊞ SalesLT.Address   ⋯
   ⟩ ⊞ SalesLT.Customer   ⋯
   ⟩ ⊞ SalesLT.CustomerAddress   ⋯
   ⟩ ⊞ SalesLT.Product   ⋯
   ⟩ ⊞ SalesLT.ProductCategory   ⋯
   ⟩ ⊞ SalesLT.ProductDescription   ⋯
   ⟩ ⊞ SalesLT.ProductModel   ⋯
   ⟩ ⊞ SalesLT.ProductModelProductD⋯ ⋯
   ⟩ ⊞ SalesLT.SalesOrderDetail   ⋯
   ⟩ ⊞ SalesLT.SalesOrderHeader   ⋯
  ⟩ ⊞ Views

Results   Messages

CustomerID	NameStyle	Title	FirstName	MiddleName	LastName	Suffix	CompanyName
1	False	Mr.	Orlando	N.	Gee		A Bike Store
2	False	Mr.	Keith		Harris		Progressive Sports
3	False	Ms.	Donna	F.	Carreras		Advanced Bike Components
4	False	Ms.	Janet	M.	Gates		Modular Cycle Systems