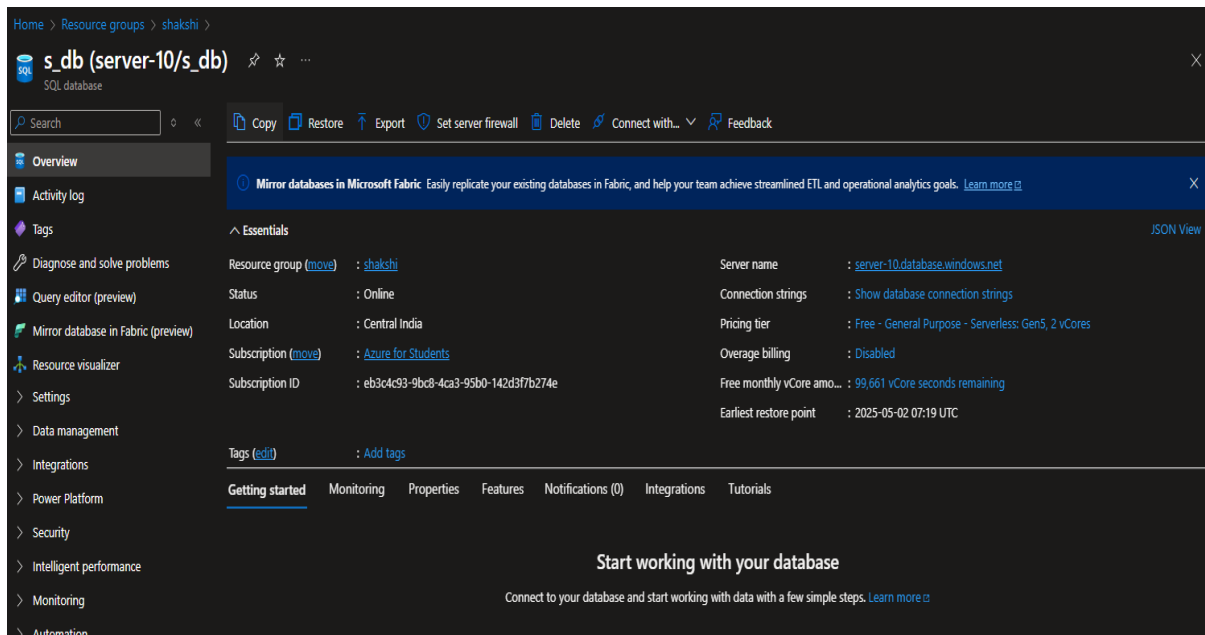


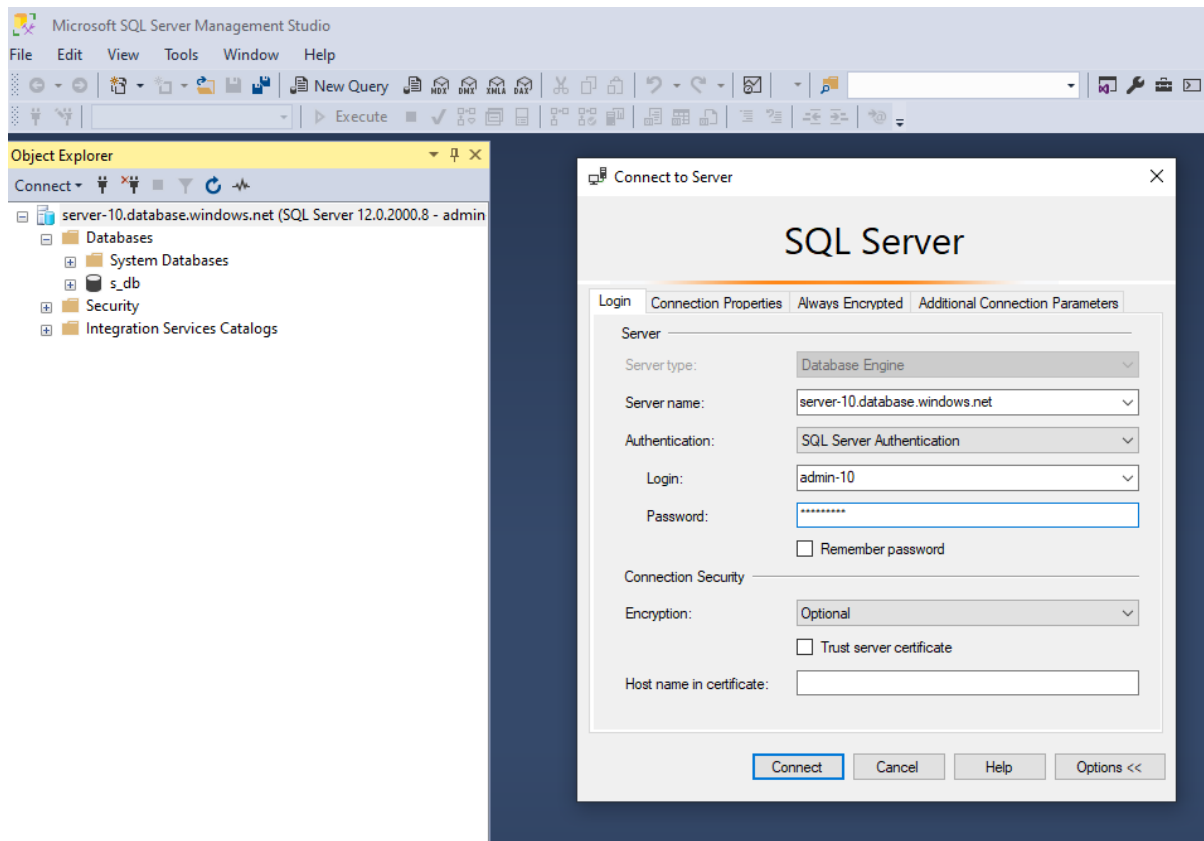
# Azure SQL Database

Activity: -

## 1. Setting Up an Azure SQL Database



## 2. Connect to the newly created Azure SQL Database using SQL Server Management Studio (SSMS)



3. Write a SQL query to create, insert, select, update and delete, truncate and drop in SSMS.

```
CREATE TABLE Employees (  
    EmployeeID INT PRIMARY KEY,  
    FirstName NVARCHAR(50),  
    LastName NVARCHAR(50),  
    BirthDate DATE,  
    Position NVARCHAR(50)  
);  
  
INSERT INTO Employees (EmployeeID, FirstName, LastName, BirthDate, Position)  
VALUES (1, 'John', 'Doe', '1980-01-01', 'Manager');
```

%

Messages

(1 row affected)

Completion time: 2025-05-02T13:12:24.3073327+05:30

```
SELECT * FROM Employees;
```

00 %

Results		Messages			
	EmployeeID	FirstName	LastName	BirthDate	Position
1	1	John	Doe	1980-01-01	Manager

SQL Query Editor:

```

UPDATE Employees
SET Position = 'Senior Manager'
WHERE EmployeeID = 1;

SELECT * FROM Employees;

```

Results:

EmployeeID	FirstName	LastName	BirthDate	Position
1	John	Doe	1980-01-01	Senior Manager

SQL Query Editor:

```

TRUNCATE TABLE Employees;

SELECT * FROM Employees;

```

Results:

EmployeeID	FirstName	LastName	BirthDate	Position
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SQL Query Editor:

```

DROP TABLE Employees;

SELECT * FROM Employees;

```

Messages:

```

Msg 208, Level 16, State 1, Line 25
Invalid object name 'Employees'.

Completion time: 2025-05-02T13:19:06.8701986+05:30

```

4. Create an index on a table to improve query performance

```

CREATE INDEX idx_LastName ON Employees (LastName);

```

5. Use SQL Server Management Studio (SSMS) to export data from your database to a .bacpac file.



## Export Settings

[Introduction](#)[Export Settings](#)[Summary](#)[Results](#)[Help](#)

### Export Settings

This operation will create a BACPAC file that contains the logical contents of your database. To continue, specify the location where you want the BACPAC file to be created, and then click Next. To specify a subset of tables to export, use the Advanced option.

**Settings** Advanced☒ Save to local disk[Browse...](#)☐ Save to Microsoft Azure

Storage account:

[Connect...](#)

Container:

File name:

Temporary file name:

[Browse...](#)

&lt; Previous

Next &gt;

Cancel



export\_db.bacpac

02-05-2025 13:24

BACPAC File

5 KB