LAB - Create Database

In this lab, you will learn how to create a new database in SQL Server using `CREATE DATABASE` statement or SQL Server Management Studio.

TASK 1: Creating a new database using the `CREATE DATABASE` statement

The `CREATE DATABASE` statement creates a new database. The following shows the minimal syntax of the `CREATE DATABASE` statement:

```
CREATE DATABASE database_name;
```

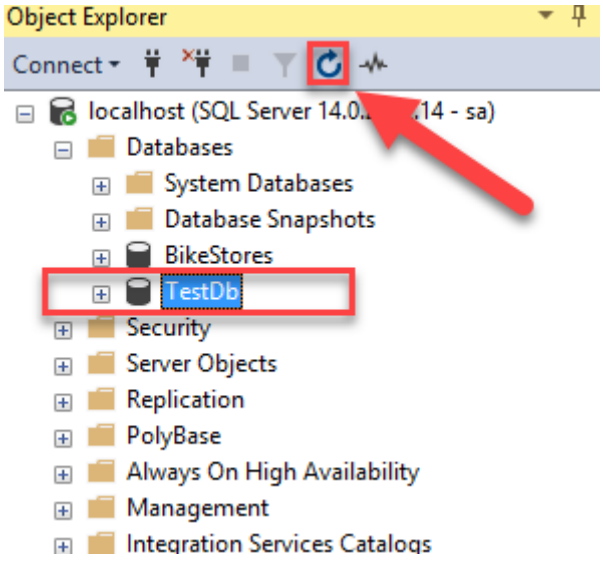
In this syntax, you specify the name of the database after the `CREATE DATABASE` keyword.

The database name must be unique within an instance of SQL Server. It must also comply with the SQL Server identifier's rules. Typically, the database name has a maximum of 128 characters.

The following statement creates a new database named `TestDb`:

```
CREATE DATABASE TestDb;
```

Once the statement executes successfully, you can view the newly created database in the **Object Explorer**. If the new database does not appear, you can click the **Refresh** button or press F5 keyboard to update the object list.



This statement lists all databases in the SQL Server:

```
SELECT
    name
FROM
    master.sys.databases
ORDER BY
    name;
```

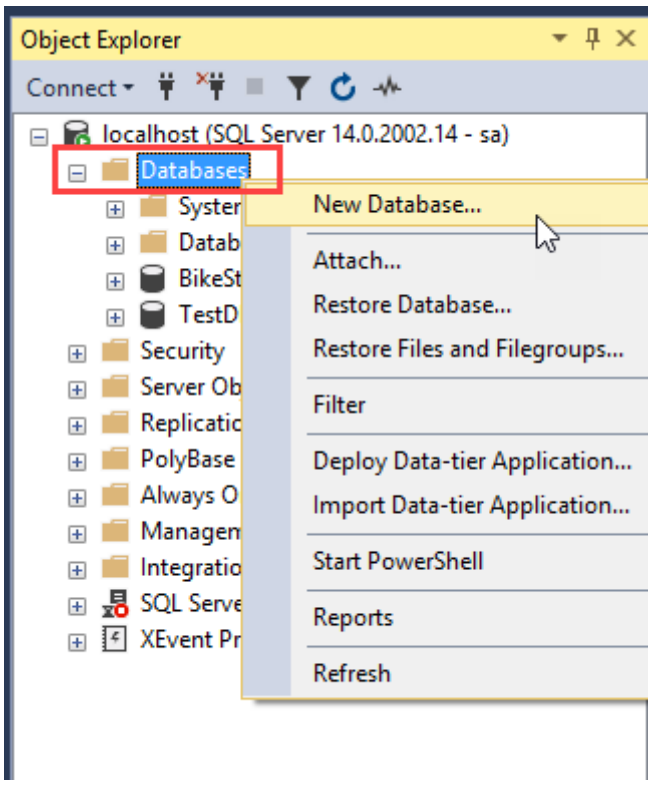
name
BikeStores
master
model
msdb
tempdb
TestDb

Or you can execute the stored procedure `sp_databases` :

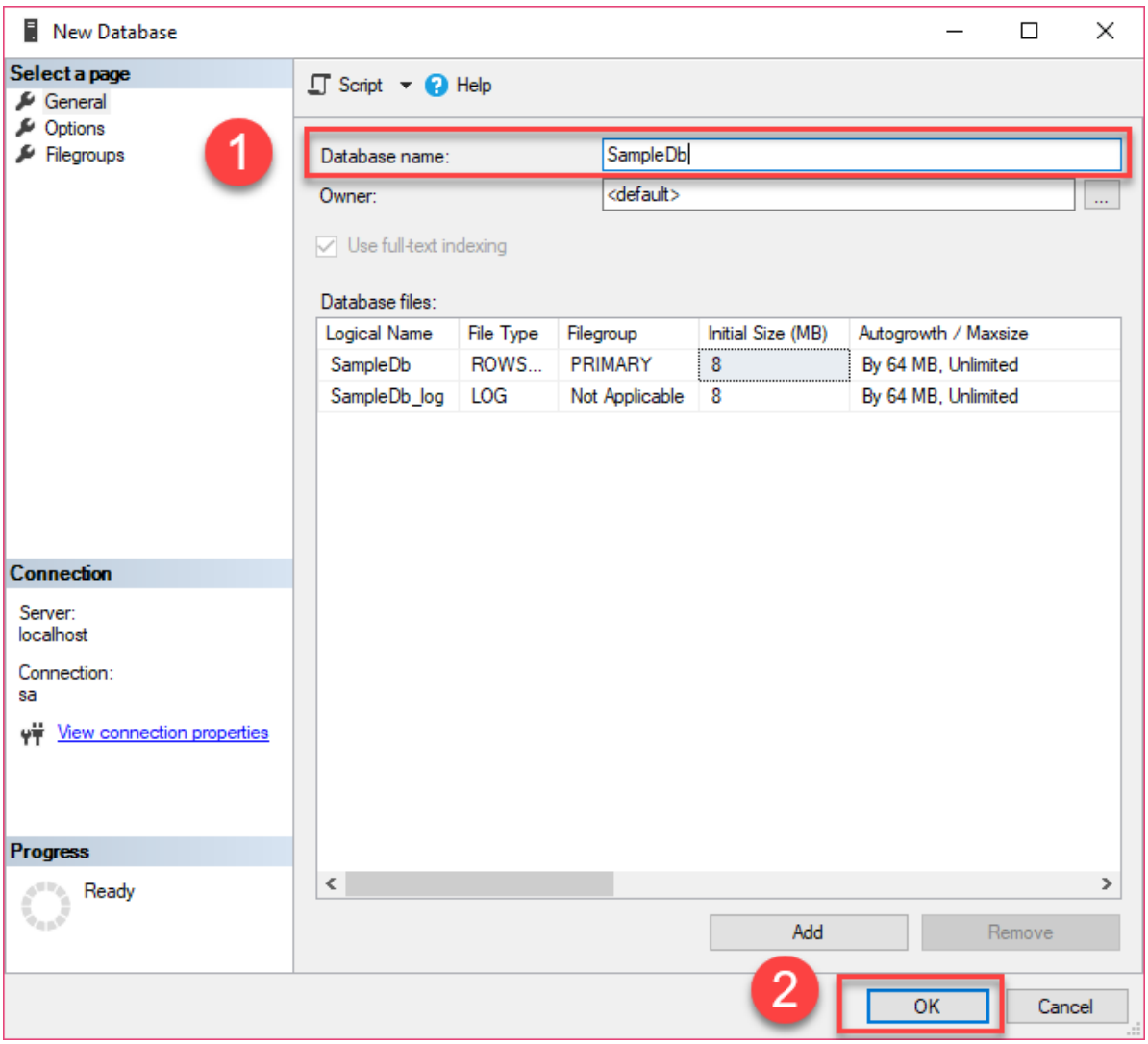
```
EXEC sp_databases;
```

TASK 2:Creating a new database using SQL Server Management Studio

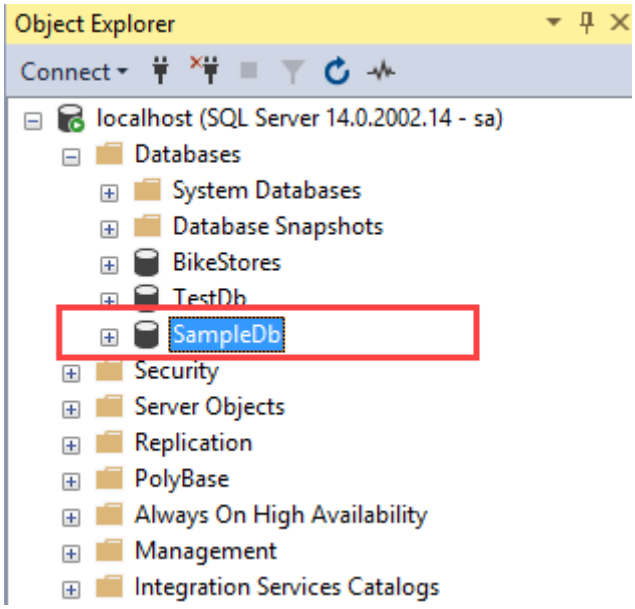
First, right-click the **Database** and choose **New Database...** menu item.



Second, enter the name of the database e.g., **SampleDb** and click the **OK** button.



Third, view the newly created database from the Object Explorer:



In this lab, you have learned how to create a new database using SQL Server `CREATE DATABASE` statement and SQL Server Management Studio