

# Structured Query Language (SQL) ①

## Sequel Server Management Studio environment

1. Perform Basic tasks using object explorer window in SQL Server Management Studio by Microsoft.

first we have to make connection, before starting to execute certain query for a database <sup>to SQL server</sup>

\* We can create our own Database by using Create Table command  
Create Database statement.

{ Create Database dbName # Create a database  
Database  
Drop dbName; # Delete database  
# require semi colon at end.

first create a Database then input data file in them using table, etc.

When we create a database in SQL server. It includes following file: —

- ① Database Diagrams.
- ② Tables
- ③ Views
- ④ External Resources
- ⑤ Synonyms
- ⑥ Full text search
- ⑦ Service Broker
- ⑧ Storage
- ⑨ Security



Create Table Cities (CityID int primary key,  
City nvarchar(25),  
Population bigint);

↓  
{ Create table in  
database with  
mentioned 3  
columns }

Drop Table dbo. Cities; { Delete table  
↓ Cities from  
(data base object) database }

### Managing Security Permissions on databases:-

Can be done using two way:-

- ① Windows authenticator
- ② Using User id & password.

One can execute query:-

Create login username with 'password'

Change Password

Alter login username with password  
'newpassword'

Deleting User.

Drop login username.



③  
Creating a script that delays other script.  
from executing.

Begin Tran;

Update Cities

set Population = Population + 555

WAIT for delay '00:00:20'

COMIT TRAN;

This  
code  
will  
update  
cities  
table  
with  
a 40 sec  
pause

Backing up & restoring your database

Backup Database database name

To disk = ^ disk location for backup.  
GO

Right click on database & backup  
your database.