In Part 1 of SQL Server, we have seen, using SSMS to connect to SQL Server. In this part we will learn creating, altering and dropping a database.  
  
  
**A SQL Server database can be created, altered and dropped**  
1. Graphically using SQL Server Management Studio (SSMS) or  
2. Using a Query

   
  
**To create the database graphically**  
1. Right Click on Databases folder in the Object explorer  
2. Select New Database  
3. In the New Database dialog box, enter the Database name and click OK.  
  
  
**To Create the database using a query**  
Create database DatabaseName  
  
  
**Whether, you create a database graphically using the designer or, using a query, the following 2 files gets generated.**  
.MDF file - Data File (Contains actual data)  
.LDF file - Transaction Log file (Used to recover the database)  
  
  
**To alter a database, once it's created**  
Alter database DatabaseName Modify Name = NewDatabaseName  
  
  
**Alternatively, you can also use system stored procedure**  
Execute sp\_renameDB 'OldDatabaseName','NewDatabaseName'  
  
  
**To Delete or Drop a database**  
Drop Database DatabaseThatYouWantToDrop  
  
  
**Dropping a database, deletes the LDF and MDF files.**  
  
  
You cannot drop a database, if it is currently in use. You get an error stating - Cannot drop database "NewDatabaseName" because it is currently in use. So, if other users are connected, you need to put the database in single user mode and then drop the database.  
Alter Database DatabaseName Set SINGLE\_USER With Rollback Immediate  
  
  
With Rollback Immediate option, will rollback all incomplete transactions and closes the connection to the database.  
  
  
***Note: System databases cannot be dropped.***