LINQ [Language Integrated Query Language]

LINQ has its own Query Processing Engine. The information returned by a LINQ query is a collection of in-memory object which may be enumerated.

The LINQ concept treats the data source as an Object, rather than a Database. So we may say, its an object that is queried. LINQ may query any type of data source,

1. Whenever we write the sql query it does not show any compile time error but linq show the compile time error if you use wrong syntax
2. Just like sql query linq is also use to fetch the data from data base
3. It is included in the C# that is why it is called integrated query language
4. It was introduce in .NET 3.0
5. It is use to query the data from the various data sources like XML document, data set , web services, Collection Generics, SQL Database.