DBMS is database management system. Most popular software are Microsoft SQL server, Sybase and IBM DB2.

Relational database is organize data simply in table. Primary key is a column requiring a unique value that can’t be duplicated in other rows. Foreign key is a column in this table that match the primary key in column in the another table. The relationships among tables are one-to-many relationship and many-to-many relationship.

The two classes that LINQ to SQL designer create are a class that represents a row of the table. And a class that represents the table.

The DataContext class is control the flow of data between the program and database.

For example :

Table1 table2

Schoolname:

StudentID: foreign key

InstructorID:

StudentID : primary key

Course:

Name:

One-to-many