

```
var result = from comp in cmps  
    ↑  
    where comp.Address == "Pune"
```

IQuerable<Emp>

    Select emp

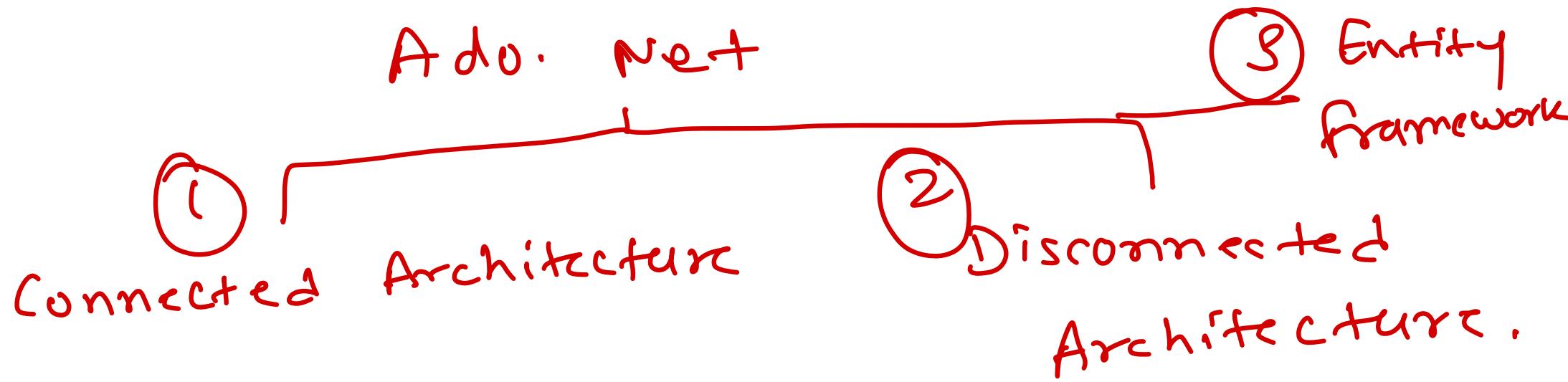
↳

IQuerable<string>

    ↓  
    emp.Name

LINQ to collection.

```
var result =  
(cmps.from()).where(condition).select()
```



## Microsoft SQL Server: Database -

- \* Oracle Db :- PL-SQL Query Syntax.
- \* MySQL Db :- SQL Query Syntax
- \* MSSQL Db :- T-SQL Query Syntax

# Ado.NET Connected Architecture

Old Databases  
Foxpro  
System.Data.  
ODBC.dll;

class  
ODBCConnection  
conObj

class  
ODBCCommand

class  
ODBCDataReader

conObj.Open()  
conObj.Close()

Excel, mssql

System.Data.  
OleDb.dll

class  
OleDbConnection

class  
OleDbCommand

class  
OleDbDataReader

conObj.Open()  
conObj.Close()

MSSQL Server

System.Data.  
SqlClient.dll

class  
SqlConnection

class  
SqlCommand

class  
SqlDataReader

conObj.Open()  
conObj.Close()

Along with Visual Studio, SQL Server gets default installed on your machine

→ SQL Express

↳ free Database Server

↳ for testing and learning

↳ purposes Windows Authentication ✓

↳ Tools → Options → Database Tools

↓  
Data Connections

+

(LocalDB)\mssqllocalDB

MSSQL Server :-

Paid Edition

→ Username : bvsAdmin

password : 12345

Custom Auth. → login →

Azure :-

→ UN :

PW :

link to connect to cloud -

→ Connection String / Details:-

¶

①

Data Source = ServerName (LocalDB)\mssql  
/Server - from your mlC ; LocalDB

②

Initial catalog = DataBaseName: IET /  
& Database BVS ;

③

Integrated Security = Authentication Details  
= true [Windows Auth]

④

Username = sa ; password = sa → purchased  
sqlDb copy.

⑤

Username = ; password = ; → Aman. //

① SQL Management Studio  
Editor

② Visual Studio Editor  
↳ Server Explorer Window