Unit 3

ODBC : Opne Database Connectivity

OLEDB : Object Linking and Embedding Database

RDO : Remote Data Object

* ADO stands for ActiveX Data Objects

* Data provider is used to connect to the database,
execute commands and retrieve the record.

* Type of connection architectures:

Connected architecture: the application remains
 connected with the database throughout the
processing

Disconnected architecture: the application automatically
 connects/disconnects during the processing.
The application uses temporary data on
the application side called a DataSet.

* Important Classes in ADO.NET
1) Connection Class

2) Command Class

3) DataReader Class

4) DataAdaptor Class

5) DataSet.Class

Connection Class

In ADO.NET, we use these connection classes to connect to the database

Command Class

The Command class provides methods for storing and executing SQL statements and Stored Procedures.

DataReader Class

The DataReader is used to retrieve data

DataAdapter Class

The DataAdapter is used to connect DataSets to databases.

DataSet

The DataSet is essentially a collection of DataTable objects.

* Grid view

GridView control is used to display whole table data on web page.

*Repeartor Control:-

The Repeater control is used to display a

repeated list of items that are bound to the control.