**Lecture # 14:**

**Objective:**

* Database Connectivity (3 Layer)

Introduction to Database Connected (Three Layer)

# Database

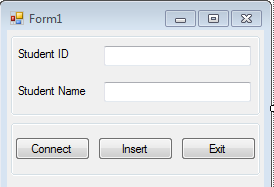
create database student use student

create table StdInfo (

ID bigint,

StdName nvarchar(30)

)



# DAL

using System.Data.SqlClient; using System.Data;

namespace IntroToSqlCon.DAL

{

class ClsMainCommands

{

string strCon = "Integrated Security=SSPI;Persist Security Info=False;Initial Catalog=student";

public int inserData(string query)

{

SqlConnection sqlCon = new SqlConnection(strCon); if (sqlCon.State == ConnectionState.Closed)

{

sqlCon.Open();

}

SqlCommand sqlCmd = new SqlCommand(query, sqlCon);

return sqlCmd.ExecuteNonQuery();

}

}

}

# Biz Layer

using IntroToSqlCon.DAL;

namespace IntroToSqlCon.BizLayer

{

class ClsStdRecord

{

ClsMainCommands objmc = new ClsMainCommands();

public void InsertRecord(int ID, string Name)

{

string query = "insert into StdInfo (ID, StdName) values (" + ID

+ ", '" + Name + "')";

objmc.inserData(query);

}

}

}

# Presentation Layer

using IntroToSqlCon.BizLayer;

namespace IntroToSqlCon

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void btnInsert\_Click(object sender, EventArgs e)

{

ClsStdRecord objsr = new ClsStdRecord(); objsr.InsertRecord(int.Parse(txtID.Text), txtStdName.Text);

}

private void btnExit\_Click(object sender, EventArgs e)

{

Application.Exit();

}

}

}