



CONEXIÓN MYSQL – C#



Form1.cs

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;

namespace EXAMPLE
{
    public partial class Form1 : Form
    {
        Persona per = new Persona();

        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            int a;
            a = Convert.ToInt32(textBox4.Text);
            per.obtenerDatos(a);
            textBox1.Text = Convert.ToString(per.getId());
            textBox2.Text = per.getNombre();
            textBox3.Text = per.getDireccion();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            textBox1.Clear();
            textBox2.Clear();
            textBox3.Clear();
            textBox4.Clear();
        }
    }
}
```



```
private void button4_Click(object sender, EventArgs e)
{
    MessageBox.Show("ID ELIMINADO","ALERTA");
    per.borraDatos(Convert.ToInt32(textBox4.Text));
}

private void button3_Click(object sender, EventArgs e)
{
    MessageBox.Show("ID AGREGADO","ALERTA");
    per.agregaDatos(Convert.ToInt32(textBox1.Text),textBox2.Text,textBox3.Text);
}

private void button5_Click(object sender, EventArgs e)
{
    MessageBox.Show("ID MODIFICADO", "ALERTA");
    per.modDatos(Convert.ToInt32(textBox1.Text), textBox2.Text, textBox3.Text);
}
}
}
```

Persona.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Data;
using System.Data.SqlClient;
using System.Windows.Forms;

namespace EXAMPLE
{
    class Persona
    {
        DataTable datos;

        private string nombre, direccion;
        private int id,c=0;

        private Conexion con = new Conexion();
    }
}
```



```
public void setNombre(string nom)
{
    nombre = nom;
}

public string getNombre()
{
    return nombre;
}

public void setId(int id)
{
    this.id = id;
}

public int getId()
{
    return id;
}

public void setDireccion(string direccion)
{
    this.direccion = direccion;
}

public string getDireccion()
{
    return direccion;
}

public void obtenerDatos(int ide)
{
    try
    {
        datos = Conexion.getDatos(ide);
        id = (int)datos.Rows[c]["id"];
        nombre = (string)datos.Rows[c]["nombre"];
        direccion = (string)datos.Rows[c]["direccion"];
        c++;
    }

    catch (Exception )
    {
        MessageBox.Show("HA SIDO ELIMINADO");
    }
}
```



```
        nombre="";
        direccion = "";
        id = 0;
    }
}

public void borraDatos(int ide)
{
    datos = Conexion.getBorra(ide);
}

public void agregaDatos(int ide,string direccion,string nombre)
{
    datos = Conexion.getAgrega(ide, nombre, direccion);
}

public void modDatos(int ide, string direccion, string nombre)
{
    datos = Conexion.getModi(ide, nombre, direccion);
}
}
}
```

Conexion.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Data;
using MySql.Data;
using MySql.Data.MySqlClient;
using System.Windows.Forms;

namespace EXAMPLE
{
    class Conexion
    {
        private static MySqlConnection conexion;
        private static MySqlDataAdapter dataAdapter;
```



```
private static DataSet dataset = new DataSet();
private string strConexion;

public Conexion()
{

    strConexion = "Database=persona;Data Source=localhost;User Id=root;Password=admin";

    conexion = new MySqlConnection (strConexion);
}

public static DataTable getDatos(int id)
{

    string consulta;

    consulta = "Select * from datos where id=" + id + ";";
    dataAdapter = new MySqlDataAdapter(consulta,conexion);
    try
    {
        conexion.Open();
        dataAdapter.Fill(dataset, "Persona");

    }

    catch (Exception ex)
    {
        MessageBox.Show("Error: " + ex.Message);
        conexion.Close();

    }

    conexion.Close();
    return dataset.Tables["Persona"];

}

public static DataTable getBorra(int id)
{

    string consulta;
    consulta = "Delete from datos where id=" + id + ";";
    dataAdapter = new MySqlDataAdapter(consulta, conexion);
```



```
try
{
    conexion.Open();
    dataAdapter.Fill(dataset, "Persona");
}

catch (Exception ex)
{
    MessageBox.Show("Error: " + ex.Message);
}

conexion.Close();
return dataset.Tables["Persona"];
}

public static DataTable getAgrega(int id,string direccion,string nombre)
{
    string consulta;
    consulta = "Insert into datos values(" + id + "," + "'" + nombre + "'" + "," + "'" + direccion + "'"
+ ")" + ";";
    dataAdapter = new MySqlDataAdapter(consulta, conexion);
    try
    {
        conexion.Open();
        dataAdapter.Fill(dataset, "Persona");
    }

    catch (Exception ex)
    {
        MessageBox.Show("Error: " + ex.Message);
    }

    conexion.Close();
    return dataset.Tables["Persona"];
}

public static DataTable getModi(int id, string direccion, string nombre)
{
    string consulta;
    consulta = "Update datos set nombre=" + "'" + nombre + "'" + ",direccion=" + "'" + direccion
+ "'" + "where id=" + id + ";";
    dataAdapter = new MySqlDataAdapter(consulta, conexion);
```



```
try
{
    conexion.Open();
    dataAdapter.Fill(dataset, "Persona");
}

catch (Exception ex)
{
    MessageBox.Show("Error: " + ex.Message);
}

conexion.Close();
return dataset.Tables["Persona"];
}

}
```

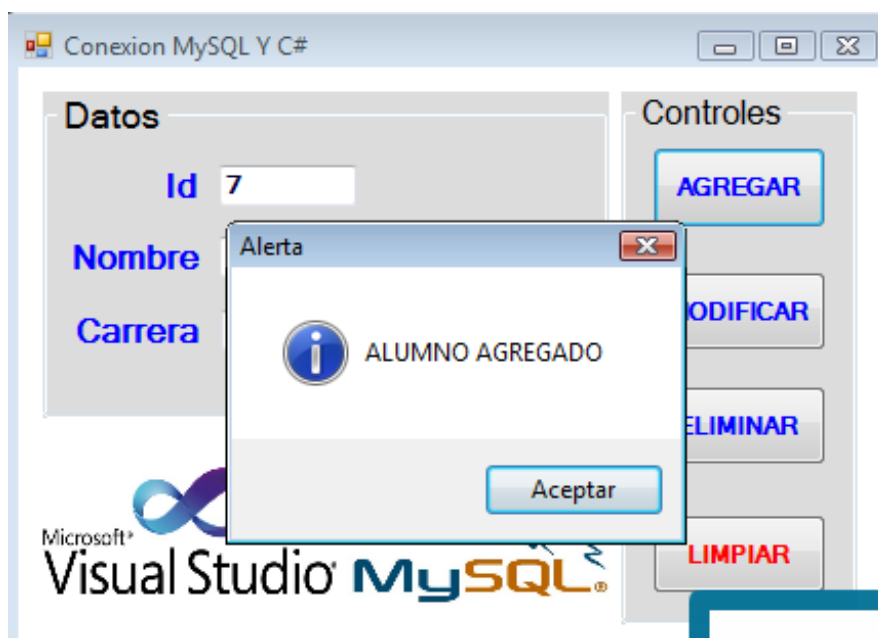
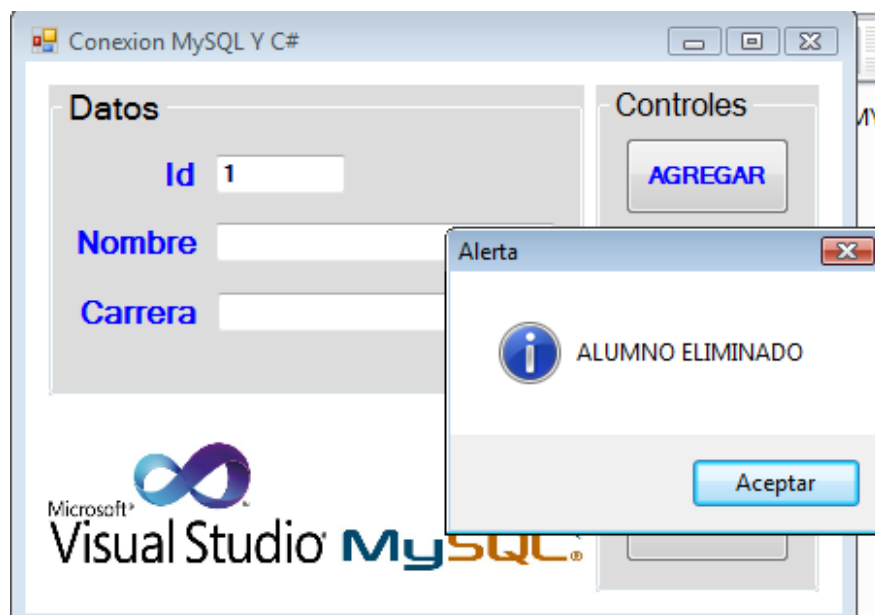
Salida En Pantalla

The screenshot shows a Windows application window titled "Conexion MySQL Y C#". The window is divided into two main sections: "Datos" (Data) on the left and "Controles" (Controls) on the right. The "Datos" section contains three text input fields labeled "Id", "Nombre", and "Carrera". The "Controles" section contains four buttons: "AGREGAR" (Add), "MODIFICAR" (Modify), "ELIMINAR" (Delete), and "LIMPIAR" (Clear). At the bottom of the window, there is a logo for Microsoft Visual Studio and the MySQL logo.

Conexión a BD MySQL

C#

Eduardo V. Abad



Conexión a BD MySQL

C#

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