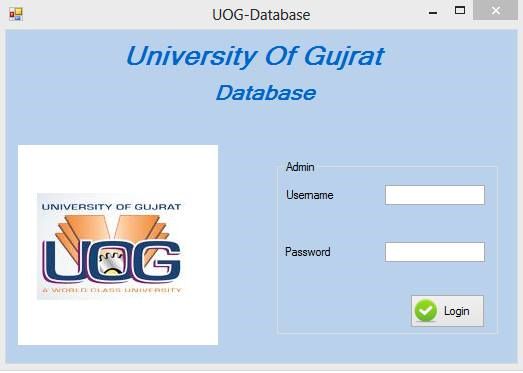
Insert, Update, Delete, Display Data in MySQL Using C#

This articleshows how to insert, update, delete and display data in MySQL.  
 **Introduction**  
MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. We can use MySQL with C#, Java and many other languages. Here we will use C#.  
  
**Diagram 1**

****  
Username=Ehtesham  
Password=1234  
  
**Note**: You need to include this assembly.

using MySql.Data.MySqlClient;  //Its for MySQL.

**Insert Data**

private void button1\_Click(object sender, EventArgs e)

{

    try

   {

            //This is my connection string i have assigned the database file address path

            string MyConnection2 = "datasource=localhost;port=3307;username=root;password=root";

            //This is my insert query in which i am taking input from the user through windows forms

            string Query = "insert into student.studentinfo(idStudentInfo,Name,Father\_Name,Age,Semester) values('"+this.IdTextBox.Text+ "','" +this.NameTextBox.Text+ "','" +this.FnameTextBox.Text+ "','" +this.AgeTextBox.Text+"','" +this.SemesterTextBox.Text+ "');";

            //This is  MySqlConnection here i have created the object and pass my connection string.

            MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);

            //This is command class which will handle the query and connection object.

            MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);

            MySqlDataReader MyReader2;

            MyConn2.Open();

            MyReader2 = MyCommand2.ExecuteReader();     // Here our query will be executed and data saved into the database.

            MessageBox.Show("Save Data");

            while (MyReader2.Read())

            {

            }

            MyConn2.Close();

        }

        catch (Exception ex)

        {

            MessageBox.Show(ex.Message);

      }

}

**Update Data**

private void button2\_Click(object sender, EventArgs e)

{

    try

    {

        //This is my connection string i have assigned the database file address path

        string MyConnection2 = "datasource=localhost;port=3307;username=root;password=root";

        //This is my update query in which i am taking input from the user through windows forms and update the record.

        string Query = "update student.studentinfo set idStudentInfo='" + this.IdTextBox.Text + "',Name='" +this.NameTextBox.Text + "',Father\_Name='" + this.FnameTextBox.Text + "',Age='" + this.AgeTextBox.Text +"',Semester='" + this.SemesterTextBox.Text + "' where idStudentInfo='" + this.IdTextBox.Text + "';";

        //This is  MySqlConnection here i have created the object and pass my connection string.

        MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);

        MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);

        MySqlDataReader MyReader2;

        MyConn2.Open();

        MyReader2 = MyCommand2.ExecuteReader();

        MessageBox.Show("Data Updated");

        while (MyReader2.Read())

        {

        }

        MyConn2.Close();//Connection closed here

    }

    catch (Exception ex)

    {

        MessageBox.Show(ex.Message);

    }

}  
  
**Delete Data**

private void button3\_Click(object sender, EventArgs e)

{

    try

    {

        string MyConnection2 = "datasource=localhost;port=3307;username=root;password=root";

        string Query = "delete from student.studentinfo where idStudentInfo='" + this.IdTextBox.Text + "';";

        MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);

        MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);

        MySqlDataReader MyReader2;

        MyConn2.Open();

         MyReader2 = MyCommand2.ExecuteReader();

         MessageBox.Show("Data Deleted");

         while (MyReader2.Read())

         {

         }

         MyConn2.Close();

    }

    catch (Exception ex)

    {

        MessageBox.Show(ex.Message);

    }

}

**Display Data**

private void button4\_Click(object sender, EventArgs e)

{

    try

    {

        string MyConnection2 = "datasource=localhost;port=3307;username=root;password=root";

        //Display query

        string Query = "select \* from student.studentinfo;";

        MySqlConnection MyConn2 = new MySqlConnection(MyConnection2);

        MySqlCommand MyCommand2 = new MySqlCommand(Query, MyConn2);

        //  MyConn2.Open();

       //For offline connection we weill use  MySqlDataAdapter class.

       MySqlDataAdapter MyAdapter = new MySqlDataAdapter();

       MyAdapter.SelectCommand = MyCommand2;

       DataTable dTable = new DataTable();

       MyAdapter.Fill(dTable);

       dataGridView1.DataSource = dTable; // here i have assign dTable object to the dataGridView1 object to display data.

        // MyConn2.Close();

   }

  catch (Exception ex)

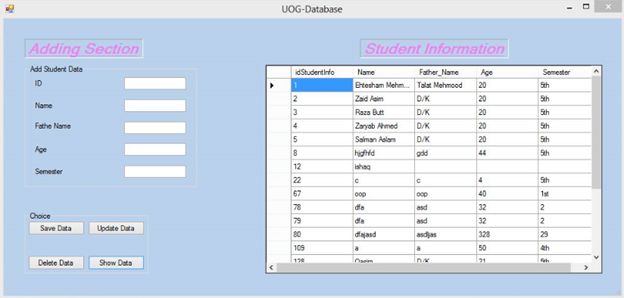
  {

        MessageBox.Show(ex.Message);

   }

}

**Diagram 2**

****

I have also attached the source code so you can download it. Remember that you need to make your database and also your connection strings and so on.

Source de : <http://www.c-sharpcorner.com/UploadFile/9582c9/insert-update-delete-display-data-in-mysql-using-C-Sharp/>