C#连接MySql数据库

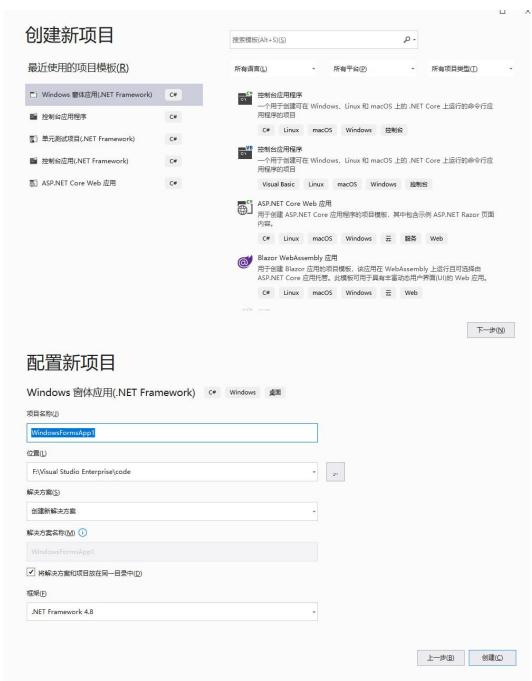
笔记本: 我的第一个笔记本

创建时间: 2021/9/29 15:18 **更新时间:** 2021/10/6 16:01

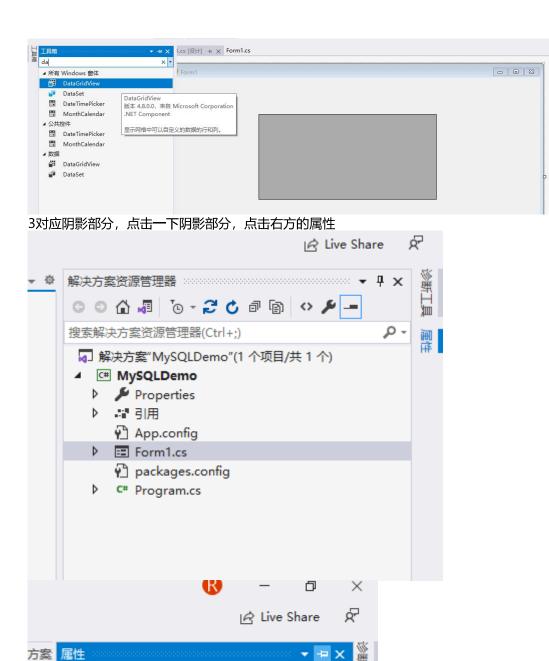
作者:

URL: https://www.cnblogs.com/panjinzhao/p/12883170.html

1.首先创建一个项目模板为Windows 窗体应用(.Net Framework)的模板



2.创建好了之后的点击Form1.cs,进行设计框架,点击左方的工具箱



自动隐藏

画作

4点击中间的自动隐藏按钮可以固定。根据自己的需要来。

dataGridView1 System.Windows.Forms.Dat

Top, Left

None

191, 79

解决 🔠 🛂 🛂 🗲 🎤

AutoSizeColumnsMo Fill
AutoSizeRowsMode None

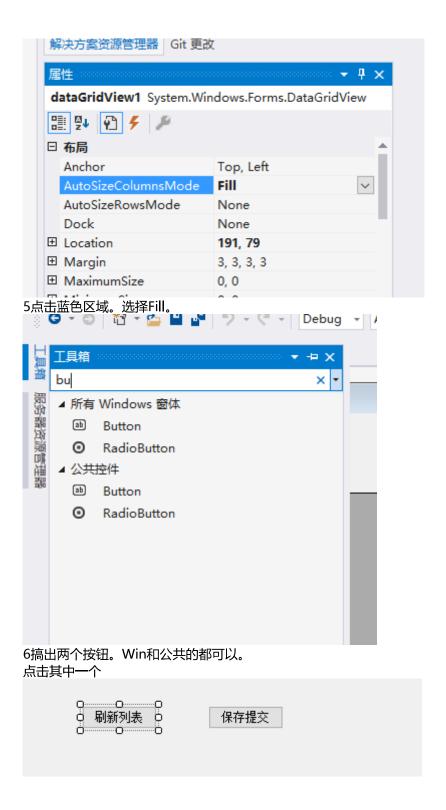
Anchor

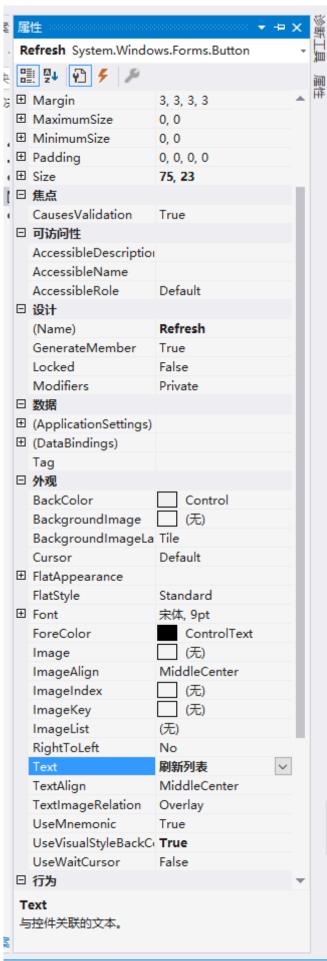
Dock

[⊞ Location

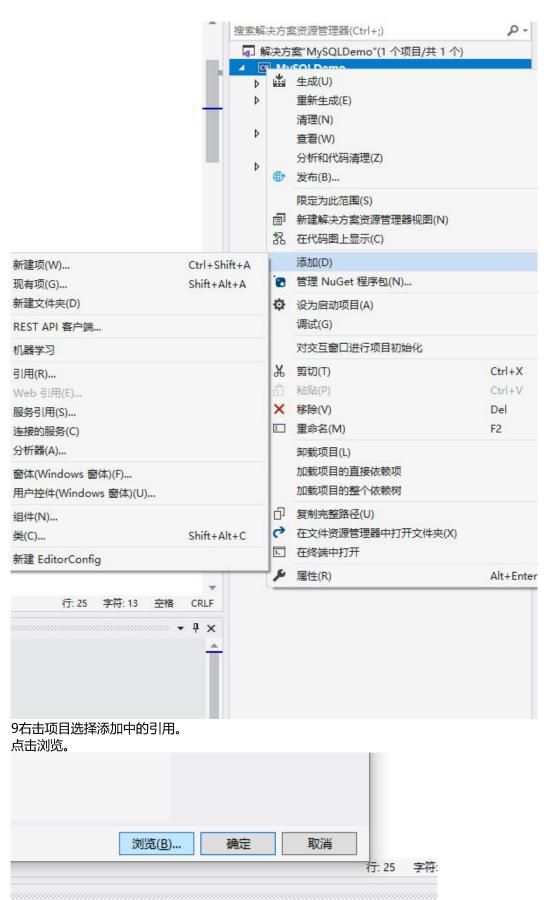
解。日布局

C#

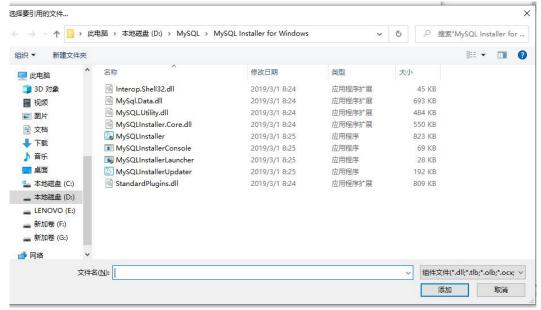




7修改Text和设计里的Name就可以了。 另一个按钮也是同理。 8点击框体的空白处,进入Form1.cs,进行数据库的连接和数据的显示。

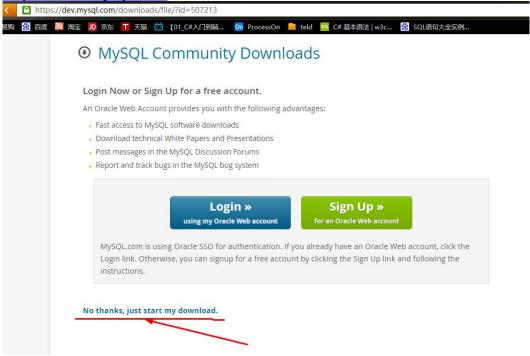


10选择你下载的Mysql下的MySql.Data.dll文件。(找不到就在官网上下载:https://www.mysql.com/)



下载Mysql.data.dll:

https://www.mysql.com/ 进入官网



点击红线处。

MySQL Community Downloads

- MySQL Yum Repository
- MySQL APT Repository
- MySQL SUSE Repository
- MySQL Community Server
- MySQL Cluster
- MySQL Router
- MySQL Shell
- MySQL Workbench
- MySQL Installer for Windows
- MySQL for Visual Studio

MySQL Benchmark Tool

· C API (libmysqlclient)

· Connector/Node.js

Connector/ODBC

· Connector/Python

· Connector/C++

Connector/J Connector/NET

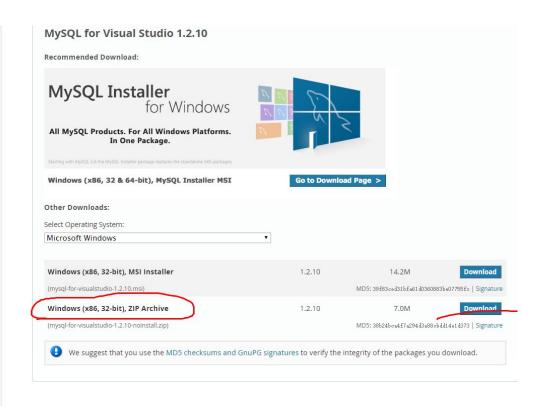
- · Time zone description tables

MySQL Native Driver for PHP

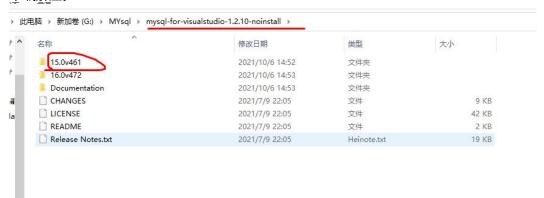
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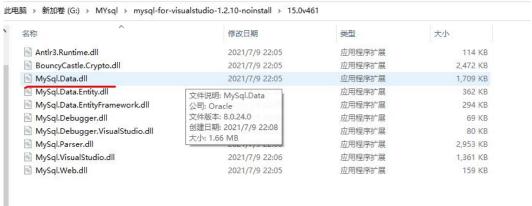




下载解压。



点击进入,找到你要的文件复制到你的项目引用下边就可以了。



```
11点击添加。
12具体代码:
namespace MySQLDemo
{
    publicpartialclassForm1 : Form
    {
        //变量设置
        privatestring SQL_ConnectStr = "server = 127.0.0.1;port=3306;user=root;password=root;database=demo;Charset=utf8;";
```

```
public MySqlConnection MySqlConnection;
               MySqlDataAdapter mySqlDataAdapter;
               DataSet dataSet;
               publicForm1()
                       InitializeComponent();
               privatevoid Form1_Load(object sender, EventArgs e)
                       Database connection();
                       Database Select test(MySqlConnection);
                       Database Select All(MySqlConnection);
               }
               publicvoid Database_connection() //数据库连接函数
                       try
                               MySqlConnection = new
MySqlConnection(SQL_ConnectStr);
                       catch (Exception exception)
                               Console. WriteLine (exception);
                       finally
                               Console. WriteLine("数据库连接成功");
               publicvoid Database Select test(MySqlConnection mySqlConnection)
//测试查询输出
                       try
                               if (mySqlConnection != null)
                                       mySqlConnection.Open(); //打开通道
                               Console. WriteLine("查询通道打开");
                               string sql select = "SELECT * FROM user";
                               MySqlCommand mySqlCommand = new
MySq1Command(sq1_select,
                           mySqlConnection);
                               MySqlDataReader reader =
mySqlCommand. ExecuteReader();
                               while (reader. Read())
                                       string id = reader.GetString("id");
                                       string name = reader.GetString("name");
                                       string password =
reader.GetString("password");
                                       string data = reader.GetString("data");
                                       Console. WriteLine(id + name + password +
data);
                       catch (Exception exception)
                               Console. WriteLine (exception);
                       finally
                               mySqlConnection.Close();
               }
```

```
publicvoid Database_Select_All(MySqlConnection mySqlConnection)
                       try
                               if (mySqlConnection != null)
                                       mySqlConnection.Open();
                                                                 //打开通道
                               Console. WriteLine ("查询通道打开1");
                               string sql_select = "SELECT * FROM user";
                               MySqlCommand mySqlCommand = new
MySqlCommand(sql select,
                           mySqlConnection);
                               //将查询结果绑定微dataview数据源
                               mySqlDataAdapter = new
MySqlDataAdapter (mySqlCommand);
                               dataSet = new DataSet():
                               mySqlDataAdapter.Fill(dataSet, "user");
                               dataGridView1.DataSource = dataSet;
                               dataGridView1. DataMember = "user";
                       catch (Exception exception)
                               Console. WriteLine (exception);
                       finally
                               mySqlConnection.Close();
               privatevoid bt Refresh Click (object sender, EventArgs e)
                       dataSet.Tables["user"].Clear();
                       mySqlDataAdapter.Fill(dataSet, "user");
               privatevoid bt SubmitAndSave Click(object sender, EventArgs e)
                       MySqlCommandBuilder mySqlCommandBuilder = new
MySqlCommandBuilder(mySqlDataAdapter);
                       mySqlDataAdapter.Update(dataSet, "user");
               privatevoid backgroundWorker1 DoWork(object sender,
System. ComponentModel. DoWorkEventArgs e)
               privatevoid button1_Click(object sender, EventArgs e)
               privatevoid dataGridView1 CellContentClick(object sender,
DataGridViewCellEventArgs e)
13运行成功后的界面:
```



到这里就结束了。