static void post1201(object source, ElapsedEventArgs eventArgs)

{

if (inTimer1201 == 0)

{

inTimer1201 = 1;

string url = "./config/Var.xml";

string fatherEle = "table";

string ele = "ConnectorVdc";

DateTime compTime = GetCompTime(ele);

string connectorVdcSql = "select \* from ConnectorVdc where [SysDT]>@compTime and [IsVdcRun]=0";

SqlParameter[] pars =

{

new SqlParameter("@compTime",SqlDbType.DateTime){Value = compTime}

};

DataTable connectorVdcDt = SqlHelper.GetDataTable(connectorVdcSql, CommandType.Text, pars);

if (connectorVdcDt.Rows.Count > 0)

{

foreach (DataRow connectorVdcDr in connectorVdcDt.Rows)

{

string updateOrInsertConnectorVdcPro = "usp\_UpdateOrInsertToConnectorVdc";

SqlParameter[] updateOrInsertConnectorVdcPras =

{

new SqlParameter("@SysDT",SqlDbType.DateTime){Value = connectorVdcDr["SysDT"]},

new SqlParameter("@ZC1",SqlDbType.Bit){Value = connectorVdcDr["ZC1"]},

new SqlParameter("@ZC2",SqlDbType.Bit){Value = connectorVdcDr["ZC2"]},

new SqlParameter("@ZC3",SqlDbType.Bit){Value = connectorVdcDr["ZC3"]},

new SqlParameter("@ZC4",SqlDbType.Bit){Value = connectorVdcDr["ZC4"]},

new SqlParameter("@ZC5",SqlDbType.Bit){Value = connectorVdcDr["ZC5"]},

new SqlParameter("@ZC6",SqlDbType.Bit){Value = connectorVdcDr["ZC6"]},

new SqlParameter("@ZC7",SqlDbType.Bit){Value = connectorVdcDr["ZC7"]},

new SqlParameter("@ZC8",SqlDbType.Bit){Value = connectorVdcDr["ZC8"]},

new SqlParameter("@ZC9",SqlDbType.Bit){Value = connectorVdcDr["ZC9"]},

new SqlParameter("@ZC10",SqlDbType.Bit){Value = connectorVdcDr["ZC10"]},

new SqlParameter("@Arrester",SqlDbType.Bit){Value = connectorVdcDr["Arrester"]},

new SqlParameter("@Door",SqlDbType.Bit){Value = connectorVdcDr["Door"]},

new SqlParameter("@VdcRunCode",SqlDbType.VarChar){Value = connectorVdcDr["VdcRunCode"]},

new SqlParameter("@IsVdcRun",SqlDbType.Bit){Value = connectorVdcDr["IsVdcRun"]},

new SqlParameter("@IsVDCFault",SqlDbType.Bit){Value = connectorVdcDr["IsVDCFault"]},

new SqlParameter("@IsVDCEstop",SqlDbType.Bit){Value = connectorVdcDr["IsVDCEstop"]},

};

if (SqlHelper.ExecuteNonquery(updateOrInsertConnectorVdcPro, CommandType.StoredProcedure, updateOrInsertConnectorVdcPras) > 0)

{

Console.WriteLine($"列表[ConnectorVdc]成功上传" + DateTime.Now);

LogHelper.WriteLog(typeof(Program), $"列表[ConnectorVdc]成功上传" + DateTime.Now);

try

{

string t1 = connectorVdcDt.AsEnumerable().Select(t => t.Field<DateTime>("SysDT")).Max().ToString("yyyy-MM-dd HH:mm:ss.fff");

XmlHelper.XmlWriter(url, fatherEle, ele, t1);

}

catch (Exception ex)

{

Console.WriteLine(ex);

}

}

else

{

Console.WriteLine($"列表[ConnectorVdc]的数据上传失败！" + DateTime.Now);

LogHelper.WriteLog(typeof(Program), $"列表[ConnectorVdc]的数据上传失败！" + DateTime.Now);

}

}

if (SqlHelper.AddDataTableToRemoteDB(connectorVdcDt, "ChargeMonitorRingOEM.dbo.[ConnectorVdcHistory]"))

{

Console.WriteLine($"历史记录列表[ConnectorVdcHistory]成功上传 + {connectorVdcDt.Rows.Count}条数据——" + DateTime.Now);

LogHelper.WriteLog(typeof(Program), $"历史记录列表[ConnectorVdcHistory]成功上传 + {connectorVdcDt.Rows.Count}条数据" + DateTime.Now);

try

{

string t1 = connectorVdcDt.AsEnumerable().Select(t => t.Field<DateTime>("SysDT")).Max().ToString("yyyy-MM-dd HH:mm:ss.fff");//这儿呢，要保证pileStateDt中是有数据的，否则会抛出异常该序列不包含任何元素

XmlHelper.XmlWriter(url, fatherEle, ele, t1);

}

catch (Exception ex)

{

Console.WriteLine(ex);

}

}

else

{

Console.WriteLine("历史记录列表[ConnectorVdc]上传失败！" + DateTime.Now);

LogHelper.WriteLog(typeof(Program), "历史记录列表[ConnectorVdcHistory]上传失败！" + DateTime.Now);

}

}

}

inTimer1201 = 0;

timer1201.Enabled = false;

Thread.Sleep(1000);

}

单翠娜老师：哇靠，太棒了！开口脆！单老师进步超级大啊！喜欢！嫌贫爱富的贫我昨天刚看了林老给王老师讲的视频，记着好像不这么唱。我又看了下，确实不这么唱。听完这段单老师成功圈粉我了！还有作为戏迷的一点小想法，我觉得念白也好，唱腔也罢，有些字有些腔需要突出强调一下，会更容易让观众理解人物，这个好像是叫逻辑重音吧，这词儿我也是前两天刚知道的，但是强调某些词某些腔真的是必要的。就像是我盼郎归郎不归的盼，我私底下哼哼的时候习惯把盼稍微强调一下，这样听的人可能就会一下领会到王宝钏的那种心情。这只是我的一点小想法，不知道对错。

冯梅老师：听着冯老师声音要薄弱一些。打中了薛平贵的平啊等字嘴唇还是要用些力气的。紧锁双眉的双字。哈哈哈，我这有点鸡蛋里头挑骨头了。林老说视死如归这儿呢王宝钏应该是很美或者说有点滋儿，很幸福的，这个汉子我选对了！单老师的说实话我也没听出来，可能要把这个腔处理地柔和一些，沉浸一些吧，但单老师表情是看得出来的。冯老师这儿呢这个情绪没表现出来。冯老师很入戏，能带动观众，个人感觉可能技术上再进一步加深一下会很牛的！看有些演员压根是不太会演戏的，这个真的需要天赋。

何瑞雪小姐姐：说实话，这段唱的吧，没有达到预期的水平。沂河两岸的段子吧这是，我从没看过全场，也不知到这个人物是怎样的，但听过许多老师唱，好像唱腔处理的都比较利索。

荣振萍老师：哎呀，这个伴奏的声音呐。有个细节，芥兰到了这个岁数，眼不太好了，看东西的时候表演还是要注意些的。乍一听真有王老师的感觉！

金燕老师：像是五十年的年，帘钩未下的下，听着归韵有点别扭。整体听下来金燕老师进步非常大啊！！！包括吐字归韵，人物把握啥的。

齐雪飞：感觉真的超级认真啊！哈哈哈，不过演戏还是要放松下来。唱腔整体听着挺棒的，有些地方尤其是低音区听着不太舒服，声音有点薄了。

王洁：还是嫌贫爱富的贫。啊呀！说实话，我之前唱视死如归也跟你一样，就是单纯地表达我对这个选择的坚定。林老说这儿王宝钏要表达一下幸福感的，我觉得这个表达更高级。唱腔呢感觉声音还是单薄一些，还有呢，有些字像是抛彩球的抛和彩注意下吐字。整体很棒！

menulist +=

'<div style="width:100%;height:150px;float:left;">

<div style="width:604px;height:100%;margin:0px auto;">

<div style="float:left;width:100%;height:100%;">

<div style="width:100%;height:30px;float:left;">

<a href="#" class="easyui-linkbutton" data-options="plain:true,iconCls:icon- berlin - charging\_station"></a> <span>&nbsp;功率柜号:</span>&nbsp;&nbsp;&nbsp;

<input class="easyui-textbox" name="diag\_station" style="height:20px;width:50px;border:0.5px solid #C0C0C0;"value="' + item.power\_code + '" id="diag\_power1"/>

</div>

<div style="width:100%;height:120px;">

<div style="width:30px;float:left;height:118px;">

<div style="width:28px:height:30px;font-size:13px;text-align:center;line-height:30px;color:#6E6E6E;background-color:#E6E6E6;margin-top:40px;" >A枪</div>

<div style="width:100%:height:30px;font-size:13px;text-align:center;line-height:30px;background-color:#E6E6E6;color:#6E6E6E;margin-top:3px;">B枪</div>

</div>

<div style="width:550px;height:118px;float:left;display:flex; justify-content:center;align-items:center;">';

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('通信故障','8','BMS1通讯故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('通信故障','9','BMS2通讯故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('通信故障','10','充电桩与控制导引板充电异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('通信故障','11','UI与主控程序通信故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','20','充电接触器1故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','21','充电接触器2故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','22','放电接触器1故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','23','放电接触器2故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','24','满功率接触器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','25','避雷器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（停机）','26','门禁故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','40','充电接触器1故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','41','充电接触器2故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','42','放电接触器1故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','43','放电接触器2故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','44','满功率接触器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','45','避雷器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','46','门禁故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('接触器状态异常（运行）','47','急停故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','100','充电枪连接故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','101','电子锁没有锁上',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','102','绝缘超时（60s）',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','103','绝缘故障错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','104','放电回路故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','105','BMS充电参数不适合本充电机',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','106','电池接反错误（预充）',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','107','BMS充电准备超时错误（30s）',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','108','单体动力蓄电池电压错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','109','动力蓄电池荷电状态SOC错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','110','电池电流过高错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','111','电池温度过高错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','112','BMS绝缘错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','113','BMS连接错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','114','BCL超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','115','BCS超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','116','绝缘故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','117','输出连接器过温故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','118','BMS元件、输出连接器过温',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','119','充电连接器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','120','电池组温度过高故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','121','高压继电器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','122','监测点2电压监测故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','123','其他故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','124','电流过大错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','125','电压异常错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','126','充电准备超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','127','电子锁上锁故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','128','充电桩门禁异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','129','充电枪未连接',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','130','VDC异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','131','功率模块故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','132','联络接触器故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','133','充电机门禁异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','134','其他充电准备故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','135','充电桩等待充电准备结果超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','136','VIN故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','137','VIN超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','138','VIN登录错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','139','VIN登录超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','140','VIN预约时间错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','141','VIN预约时间超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','142','VIN预约启动充电错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','143','VIN预约启动充电超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','144','充电输出接触器拒动故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','145','充电输出接触器黏连故障',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','146','充电过程中出现CC6V异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','147','充电过程中出现CC12V异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','148','充电准备中电池电压大于200V异常',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','149','电池电压错误',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','150','启动充电总超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','151','预约时间不足',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','152','充电电流长时间低于2A',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','153','余额不足',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','154','从枪启动充电超时',newid())

insert into FaultInfoQuery(ParentFault,FaultCode,FaultName,FaultID)

values('BMS充电过程中故障','155','从枪充电过程中通信异常',newid())

select count(0) from (select f.\*,o.sName,p.station\_code,p.set\_code,p.GunNo,p.SysDT,

row\_number()over(order by p.SysDT desc) as num

from PileStateHistory p inner join FaultInfoQuery f on p.Fault = f.FaultCode

left join Web.dbo.OEMChargeSetStation o on p.station\_code = o.station\_code where p.Fault <> 0 ) as t where 1=1 and station\_code='QD\_AHW' and set\_code='1' and GunNo= convert(nvarchar,3)

select \* from

(select \*,ROW\_NUMBER()over(order by tc.SysDT desc) as num from

(select f.\*,o.sName,p.station\_code,p.set\_code,p.GunNo,p.SysDT

--row\_number()over(order by p.station\_code desc) as num

from PileStateHistory p inner join FaultInfoQuery f on p.Fault = f.FaultCode

left join Web.dbo.OEMChargeSetStation o on p.station\_code = o.station\_code where p.Fault <> 0 ) as tc where 1=1

and station\_code='QD\_AHW' and set\_code='1' and GunNo='3') as ttt

where num between Convert(nvarchar,((3-1)\*20 + 1)) AND Convert(nvarchar,(3\*20))

@strsql select \* from (select \*,ROW\_NUMBER()over(order by tc.SysDT desc) as num from

(select f.\*,o.sName,p.station\_code,p.set\_code,p.GunNo,p.SysDT

from PileStateHistory p inner join FaultInfoQuery f on p.Fault = f.FaultCode

left join Web.dbo. nvarchar(max)

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(1,'充电桩与充电机之间通信故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(2,'模块通信故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(3,'读卡器通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(4,'绝缘A通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(5,'绝缘B通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(6,'电能1表通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(7,'电能2表通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(8,'BMS1通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(9,'BMS2通讯故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(10,'充电桩与控制导引板通讯异常','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(11,'UI与主控程序通信故障','通信故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(20,'充电接触器1故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(21,'充电接触器2故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(22,'放电接触器1故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(23,'放电接触器2故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(24,'满功率接触器故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(25,'避雷器故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(26,'门禁故障','接触器状态异常（停机）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(40,'充电接触器1故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(41,'充电接触器2故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(42,'放电接触器1故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(43,'放电接触器2故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(44,'满功率接触器故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(45,'避雷器故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(46,'门禁故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(47,'急停故障','接触器状态异常（运行）','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(100,'充电枪连接故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(101,'电子锁没有锁上','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(102,'绝缘超时（60s）','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(103,'绝缘故障错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(104,'放电回路故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(105,'BMS充电参数不适合本充电机','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(106,'电池接反错误（预充）','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(107,'BMS充电准备超时错误（30s）','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(108,'单体动力蓄电池电压错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(109,'动力蓄电池荷电状态SOC错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(110,'电池电流过高错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(111,'电池温度过高错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(112,'BMS绝缘错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(113,'BMS连接错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(114,'BCL超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(115,'BCS超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(116,'绝缘故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(117,'输出连接器过温故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(118,'BMS元件、输出连接器过温','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(119,'充电连接器故障','BMS充电过程中故障','环型充电集设备')

values(120,'电池组温度过高故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(121,'高压继电器故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(122,'监测点2电压检测故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(123,'其他故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(124,'电流过大错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(125,'电压异常错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(126,'充电准备超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(127,'电子锁上锁故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(128,'充电桩门禁故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(129,'充电枪未连接','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(130,'VDC异常','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(131,'功率模块故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(132,'联络接触器故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(133,'充电机门禁异常','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(134,'其他充电准备故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(135,'充电桩等待充电准备结果超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(136,'VIN故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(137,'VIN超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(138,'VIN登录错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(139,'VIN登录超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(140,'VIN预约时间错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(141,'VIN预约时间超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(142,'VIN预约启动充电错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(143,'VIN预约启动充电超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(144,'充电输出接触器拒动故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(145,'充电输出接触器黏连故障','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(146,'充电过程中出现CC6V异常','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(147,'充电过程中出现CC12V异常','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(148,'充电准备中电池电压大于200V异常','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(149,'电池电压错误','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(150,'启动充电总超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(151,'预约时间不足','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(152,'充电电流长时间低于2A','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(153,'余额不足','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(154,'从枪启动充电超时','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values(155,'从枪充电过程中通信异常','BMS充电过程中故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m01','模块有故障','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m02','模块数不到3','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m03','模块数大于3','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m04','模块输出短路','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m05','模块放电异常','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m06','模块通讯异常','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m07','模块ID重复','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m08','模块温度过高','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m09','风扇故障','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m10','模块保护','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m11','限制功率状态','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m12','输入欠压','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m13','输入过压','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m14','缺相','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m15','电流严重不均流','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m16','避雷器故障','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m17','柜门打开','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m18','VDC故障','充电机故障','环型充电集设备')

insert into AlarmInfo(ErrCode,ErrMsg,ParentFault,DeviceType)

values('m19','VDC急停','充电机故障','环型充电集设备')

基于物联网的电动汽车充电桩监控系统开发与研究

计算机控制

研究方向 物联网/云平台/计算机控制

3．主要创新点

本系统能够保证充电站正常监控采集数据的基础上实现各个充电站的信息安全、有效的传输，远程设备的状态以及故障信息的实时显示取决于远程设备的状态以及故障信息的实时上传。本次设计根据实际需求改进了信息定时上传的方法，采用双频信息上传，高频巡检本地设备数据信息，根据实际需要定频率或者立刻上传相应设备信息，比如充电桩的充电状态改变或者出现故障时需要立即上传相应信息。

系统软件可在PC端对各充电桩充电状态以及充电信息进行远程监控，对正在进行充电的电动汽车BMS信息实时提取、分析、显示。连接SQL Server数据库，对上述信息进行数据存储与查询，实现对充电历史数据的查询与分析，对实时以及历史故障信息进行监控。

采用智能诊断系统，基于充电桩、充电机的设计以及现场获取的数据，通过对充电桩、充电机各项参数的分析，实现对远程充电桩的性能预测和故障分析，便于技术人员对充电桩的保养和维修处理，节省维修保养成本。与此同时寻找更优化的故障诊断方法，提高故障诊断的准确性和效率，给出更好更合理的指导建议。

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('QD\_AHW',1,1,'00001',1)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('QD\_AHW',1,1,'00002',2)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('QD\_AHW',1,1,'00003',3)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('QD\_AHW',1,1,'00004',4)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('QD\_AHW',1,1,'00005',5)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('10000',1,1,'00001',1)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('10000',1,1,'00002',2)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('10000',1,1,'00003',3)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('10000',1,1,'00004',4)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('10000',1,1,'00005',5)

{http://localhost:11306/PutArtificialFaultList2Session2.ashx?strstation\_codes=00003&&strFaultMsgs=硬件故障&&strprioritys=1&&strFaultDetails=硬件故障，请及时检修。&&strSysDTs=/Date(1561940466000)/&&strsNames=青岛科技大学充电站&&strUserNames=梁珂&&strstates=0&&strParentFaults外部可见故障&&strDeviceTypes充电集设备}

select \* from PileState

select \* from PileStateHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from Ammeter

select \* from AmmeterHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from BmsBcp

select \* from BmsBcpHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from BmsBrm

select \* from BmsBrmHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from BmsBst

select \* from BmsBstHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from BmsBsd

select \* from BmsBsdHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from ChargeDC

select \* from ChargeDCHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from ChargeState1

select \* from ChargeState1History where SysDT > '2019-11-27 09:19:46.767'

select \* from ChargeState2

select \* from ChargeState2History where SysDT > '2019-11-27 09:19:46.767'

select \* from ChargeState3

select \* from ChargeState3History where SysDT > '2019-11-27 09:19:46.767'

select \* from ConnectorVdc

select \* from ConnectorVdcHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from MachineState

select \* from MachineStateHistory where SysDT > '2019-11-27 09:19:46.767'

select \* from (select \*,ROW\_NUMBER()over(order by tc.SysDT desc) as num from

(select f.\*,o.sName,p.station\_code,p.set\_code,p.GunNo,p.SysDT

from PileStateHistory p inner join FaultInfoQuery f on p.Fault = f.FaultCode

left join Web.dbo.OEMChargeSetStation o on p.station\_code = o.station\_code where p.Fault <> 0 ) as tc where 1=1

and tc.FaultName = '充电桩与充电机之间通信故障'

) as ttt

where (num between Convert(nvarchar,((2-1)\*20 + 1)) and Convert(nvarchar,(2\*20)))

--and ttt.FaultName = '充电桩与充电机之间通信故障'

select count(0) from (select f.\*,o.sName,p.station\_code,p.set\_code,p.GunNo,p.SysDT,

row\_number()over(order by p.station\_code desc) as num

from PileStateHistory p inner join FaultInfoQuery f on p.Fault = f.FaultCode

left join Web.dbo.OEMChargeSetStation o on p.station\_code = o.station\_code where p.Fault <> 0 ) as t where 1=1

and FaultName = '充电桩与充电机之间通信故障'

132193854036723024

"132193939314355282"

132194904590035725

云服务器（Elastic Compute Service,简称ECS），是以阿里云自主研发的大规模分布式云计算系统为基础的一种处理能力可弹性伸缩的计算服务。ECS作为阿里云提系中最基础的计算服务，常用作应用程序的基础运行环境，操作系统一般是某个Linux或Windows的发行版。ECS云服务器为可视化管理、无需运维，所存储的数据采用分布式存储、三备份，在安全防护方面自带DDoS基础防护，ECS还可以根据用户需求可以随时调整服务器配置，比如磁盘扩容等各项配置的调整，其生命周期从云服务器的创建到释放，释放后所有数据将彻底删除。

阿里云ECS可以通过管理控制台、API和命令行等工具对服务器进行配置、重启、密码重置、网络隔离等操作。设置好云服务器的相关配置，使用公网IP地址、服务器用户名以及密码等信息通过Windows系统自带的“远程桌面连接”功能连接云服务器，连接成功后，即可进行开发工作。

select \* from ChargeBill where SysDT > '2019-12-07 20:55:10.120'

select \* from ChargePara where SysDT > '2019-12-10 18:50:10.120'

select \* from ChargePlug where SysDT > '2019-12-07 20:55:10.120'

select \* from RealACDCStatus where SysDT > '2019-12-07 20:55:10.120'

select \* from RealPowerStatus where SysDT > '2019-12-07 20:55:10.120'

select \* from RealACIn where SysDT > '2019-12-07 20:55:10.120'

select \* from RealBMS where SysDT > '2019-12-07 20:55:10.120'

select \* from RealChargeEnergy where SysDT > '2019-12-07 20:55:10.120'

select \* from RealChargeStatus where SysDT > '2019-12-07 20:55:10.120'

select \* from RealChargeStatus2 where SysDT > '2019-12-07 20:55:10.120'

select \* from RealPowerStatus2 where SysDT > '2019-12-07 20:55:10.120'

select \* from RealPowerUnitList where SysDT > '2019-12-07 20:55:10.120'

select \* from RealRectification where SysDT > '2019-12-07 20:55:10.120'

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00001',1)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00001',2)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00002',1)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00002',2)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00003',1)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00003',2)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00004',1)

insert into station\_set\_gun(station\_code,set\_code,power\_code,pile\_code,PlugID)

values('00088',1,1,'00004',2)

update station\_set\_gun set PlugID = 3 where station\_code = '00088' and ID = 1072

update station\_set\_gun set PlugID = 4 where station\_code = '00088' and ID = 1073

update station\_set\_gun set PlugID = 5 where station\_code = '00088' and ID = 1074

update station\_set\_gun set PlugID = 6 where station\_code = '00088' and ID = 1075

update station\_set\_gun set PlugID = 7 where station\_code = '00088' and ID = 1076

update station\_set\_gun set PlugID = 8 where station\_code = '00088' and ID = 1077

delete from RealPowerUnitList where station\_code is null

delete from RealChargeStatus2 where station\_code = '7'

delete from RealChargeStatus2 where station\_code = '8'

delete from RealChargeStatus2 where station\_code = '9'

delete from RealChargeStatus2 where station\_code = '10'

delete from RealChargeStatus2 where station\_code = '11'

delete from RealChargeStatus2 where station\_code = '12'

delete from RealChargeStatus2 where station\_code = '13'

delete from RealChargeStatus2 where station\_code = '14'

delete from RealChargeStatus2 where station\_code = '15'

delete from RealChargeStatus2 where station\_code = '16'

delete from RealChargeStatus2 where station\_code = '17'

delete from RealChargeStatus2 where station\_code = '18'

delete from RealChargeStatus2 where station\_code = '19'

delete from RealChargeStatus2 where station\_code = '20'

delete from RealChargeStatus2 where station\_code = '21'

delete from RealChargeStatus2 where station\_code = '22'

delete from RealChargeStatus2 where station\_code = '23'

delete from RealChargeStatus2 where station\_code = '24'

delete from RealChargeStatus2 where station\_code = '1'

delete from RealChargeStatus2 where station\_code = '2'

delete from RealChargeStatus2 where station\_code = '3'

delete from RealChargeStatus2 where station\_code = '4'

delete from RealChargeStatus2 where station\_code = '5'

delete from RealChargeStatus2 where station\_code = '6'

delete from RealACDCStatus where station\_code = '7'

delete from RealACDCStatus where station\_code = '8'

delete from RealACDCStatus where station\_code = '9'

delete from RealACDCStatus where station\_code = '10'

delete from RealACDCStatus where station\_code = '11'

delete from RealACDCStatus where station\_code = '12'

delete from RealACDCStatus where station\_code = '13'

delete from RealACDCStatus where station\_code = '14'

delete from RealACDCStatus where station\_code = '15'

delete from RealACDCStatus where station\_code = '16'

delete from RealACDCStatus where station\_code = '17'

delete from RealACDCStatus where station\_code = '18'

delete from RealACDCStatus where station\_code = '19'

delete from RealACDCStatus where station\_code = '20'

delete from RealACDCStatus where station\_code = '21'

delete from RealACDCStatus where station\_code = '22'

delete from RealACDCStatus where station\_code = '23'

delete from RealACDCStatus where station\_code = '24'

delete from RealACDCStatus where station\_code = '1'

delete from RealACDCStatus where station\_code = '2'

delete from RealACDCStatus where station\_code = '3'

delete from RealACDCStatus where station\_code = '4'

delete from RealACDCStatus where station\_code = '5'

delete from RealACDCStatus where station\_code = '6'

delete from RealBMS where station\_code = '7'

delete from RealBMS where station\_code = '8'

delete from RealBMS where station\_code = '9'

delete from RealBMS where station\_code = '10'

delete from RealBMS where station\_code = '11'

delete from RealBMS where station\_code = '12'

delete from RealBMS where station\_code = '13'

delete from RealBMS where station\_code = '14'

delete from RealBMS where station\_code = '15'

delete from RealBMS where station\_code = '16'

delete from RealBMS where station\_code = '17'

delete from RealBMS where station\_code = '18'

delete from RealBMS where station\_code = '19'

delete from RealBMS where station\_code = '20'

delete from RealBMS where station\_code = '21'

delete from RealBMS where station\_code = '22'

delete from RealBMS where station\_code = '23'

delete from RealBMS where station\_code = '24'

delete from RealBMS where station\_code = '1'

delete from RealBMS where station\_code = '2'

delete from RealBMS where station\_code = '3'

delete from RealBMS where station\_code = '4'

delete from RealBMS where station\_code = '5'

delete from RealBMS where station\_code = '6'

delete from RealChargeEnergy where station\_code = '7'

delete from RealChargeEnergy where station\_code = '8'

delete from RealChargeEnergy where station\_code = '9'

delete from RealChargeEnergy where station\_code = '10'

delete from RealChargeEnergy where station\_code = '11'

delete from RealChargeEnergy where station\_code = '12'

delete from RealChargeEnergy where station\_code = '13'

delete from RealChargeEnergy where station\_code = '14'

delete from RealChargeEnergy where station\_code = '15'

delete from RealChargeEnergy where station\_code = '16'

delete from RealChargeEnergy where station\_code = '17'

delete from RealChargeEnergy where station\_code = '18'

delete from RealChargeEnergy where station\_code = '19'

delete from RealChargeEnergy where station\_code = '20'

delete from RealChargeEnergy where station\_code = '21'

delete from RealChargeEnergy where station\_code = '22'

delete from RealChargeEnergy where station\_code = '23'

delete from RealChargeEnergy where station\_code = '24'

delete from RealChargeEnergy where station\_code = '1'

delete from RealChargeEnergy where station\_code = '2'

delete from RealChargeEnergy where station\_code = '3'

delete from RealChargeEnergy where station\_code = '4'

delete from RealChargeEnergy where station\_code = '5'

delete from RealChargeEnergy where station\_code = '6'

delete from RealChargeStatus where station\_code = '7'

delete from RealChargeStatus where station\_code = '8'

delete from RealChargeStatus where station\_code = '9'

delete from RealChargeStatus where station\_code = '10'

delete from RealChargeStatus where station\_code = '11'

delete from RealChargeStatus where station\_code = '12'

delete from RealChargeStatus where station\_code = '13'

delete from RealChargeStatus where station\_code = '14'

delete from RealChargeStatus where station\_code = '15'

delete from RealChargeStatus where station\_code = '16'

delete from RealChargeStatus where station\_code = '17'

delete from RealChargeStatus where station\_code = '18'

delete from RealChargeStatus where station\_code = '19'

delete from RealChargeStatus where station\_code = '20'

delete from RealChargeStatus where station\_code = '21'

delete from RealChargeStatus where station\_code = '22'

delete from RealChargeStatus where station\_code = '23'

delete from RealChargeStatus where station\_code = '24'

delete from RealChargeStatus where station\_code = '1'

delete from RealChargeStatus where station\_code = '2'

delete from RealChargeStatus where station\_code = '3'

delete from RealChargeStatus where station\_code = '4'

delete from RealChargeStatus where station\_code = '5'

delete from RealChargeStatus where station\_code = '6'

delete from RealACIn where station\_code = '7'

delete from RealACIn where station\_code = '8'

delete from RealACIn where station\_code = '9'

delete from RealACIn where station\_code = '10'

delete from RealACIn where station\_code = '11'

delete from RealACIn where station\_code = '12'

delete from RealACIn where station\_code = '13'

delete from RealACIn where station\_code = '14'

delete from RealACIn where station\_code = '15'

delete from RealACIn where station\_code = '16'

delete from RealACIn where station\_code = '17'

delete from RealACIn where station\_code = '18'

delete from RealACIn where station\_code = '19'

delete from RealACIn where station\_code = '20'

delete from RealACIn where station\_code = '21'

delete from RealACIn where station\_code = '22'

delete from RealACIn where station\_code = '23'

delete from RealACIn where station\_code = '24'

delete from RealACIn where station\_code = '1'

delete from RealACIn where station\_code = '2'

delete from RealACIn where station\_code = '3'

delete from RealACIn where station\_code = '4'

delete from RealACIn where station\_code = '5'

delete from RealACIn where station\_code = '6'

update chargeSetStation2 set sCity = '青岛市',sAddress = '青岛市李沧区合川路徐水路东' where station\_code = 'QD\_AHW'

update chargeSetStation2 set sCity = '青岛市' where station\_code = '00003'

update chargeSetStation2 set sCity = '西安市' where station\_code = '00005'

update chargeSetStation2 set sCity = '济南市' where station\_code = '00041'

update chargeSetStation2 set sCity = '北京市' where station\_code = '00088'

update chargeSetStation2 set sCity = '上海市' where station\_code = 'SHSC\_JQZ'

update chargeSetStation2 set sCity = '长沙市',sAddress = '湖南省长沙市金鹰机电大市场' where station\_code = 'CSJY\_JD'

update chargeSetStation2 set sCity = '张家口市',sAddress = '河北省张家口市宣化市河子西乡刘家窑公交站' where station\_code = 'xhgj\_ljy'

update chargeSetStation2 set sCity = '张家口市',sAddress = '河北省张家口市宣化市河子西乡刘家窑公交站' where station\_code = '10000'

"[{\"StationCode\":\"00003\"},{\"StationCode\":\"00005\"},{\"StationCode\":\"00041\"},{\"StationCode\":\"00088\"},{\"StationCode\":\"10000\"},{\"StationCode\":\"CSJY\_JD\"},{\"StationCode\":\"QD\_AHW\"},{\"StationCode\":\"SHSC\_JQZ\"},{\"StationCode\":\"xhgj\_ljy\"}]"