```
#include <SoftwareSerial.h>
SoftwareSerial mySerial(15,14);
char col;
String data,data1,data2,data3,data4;
String RData="";
unsigned long DurStopTime;
unsigned long DurStopTime2,DurStopTime3,DurStopTime4,DurStopTime5;
unsigned long StartTime2,StartTime3,StartTime4,StartTime5;
unsigned long StopTime2,StopTime3,StopTime4,StopTime5;
void setup() {
   DurStopTime=1200000; //初始化关闭时间  20 分钟
   DurStopTime2=0;
   DurStopTime3=0;
   DurStopTime4=0;
   DurStopTime5=0;

   pinMode(2,OUTPUT);
   pinMode(3,OUTPUT);
   pinMode(4,OUTPUT);
   pinMode(5,OUTPUT);
   digitalWrite(2,HIGH);
   digitalWrite(3,HIGH);
   digitalWrite(4,HIGH);
   digitalWrite(5,HIGH);
   mySerial.begin(9600);
   Serial.begin(9600);
   delay(1000);
   //开启多连接模式命令
   mySerial.println("AT+CIPMUX=1");
   //开启服务器模式       8080 为端口号，手机连接时会用到
   delay(2000);
   mySerial.println("AT+CIPSERVER=1,8080");
   delay(3000);
   while(Serial.read() >= 0){}
   while(mySerial.read() >= 0){}
   Serial.println("Inteligent WiFi init");

}

void ReturnStatus()
{
   RData=data1+data2+data3+data4;
   mySerial.println("AT+CIPSEND=16");
   delay(1000);
```

```
    mySerial.println(RData.c_str());
    delay(500);
}

void loop() {
    data="";
    while(mySerial.available()>0){
        col=mySerial.read();
        data+=col;
        //Serial.print("Read: ");
        //Serial.println(col);
        delay(50);
    }

    if(strlen(data.c_str())>1)
        Serial.println(data.c_str());

    if(DurStopTime2>0 || DurStopTime3>0 || DurStopTime4>0 || DurStopTime5>0 )
    {
        if( DurStopTime2 >0)
        {
            if(millis()-StartTime2>DurStopTime2 ||    millis()-StartTime2<0)
            {
                Serial.println(DurStopTime2);
                Serial.println(millis()-StartTime2);
                DurStopTime2=0;
                digitalWrite(2,HIGH);
                data1="1:O;";
            }
        }

        if( DurStopTime3 >0)
        {
            if(millis()-StartTime3>=DurStopTime3 || millis()-StartTime3<0)
            {
                DurStopTime3=0;
                digitalWrite(3,HIGH);
                data4="2:O;";
            }
        }

        if( DurStopTime4 >0)
        {
            if(millis()-StartTime4>=DurStopTime4 || millis()-StartTime4<0)
```

```
      {
        DurStopTime4=0;
        digitalWrite(4,HIGH);
        data3="3:O;";
      }
    }

    if( DurStopTime5 >0)
    {
      if(millis()-StartTime5>=DurStopTime5 || millis()-StartTime5<0)
      {
        DurStopTime5=0;
        digitalWrite(5,HIGH);
        data4="4:O;";
      }
    }
}

if(strlen(data.c_str())>0)
{
    if(strlen(data.c_str())>1)
      Serial.println(data);

    if(data.indexOf("RetrunStatus")>0)
    {
      ReturnStatus();
    }

    if(data.indexOf("SetTime:")>0)
    {

      //DurStopTime=long(60000*1);
    }

    if(data.indexOf("Con2ON")>0)
    {
      digitalWrite(2,HIGH);
      DurStopTime2=0;
      data1="1:O;";
    }
    if(data.indexOf("Con3ON")>0)
    {
      digitalWrite(3,HIGH);
      DurStopTime3=0;
```

```
    data2="2:O;";
  }
  if(data.indexOf("Con4ON")>0)
  {
    digitalWrite(4,HIGH);
    DurStopTime4=0;
    data3="3:O;";
  }
  if(data.indexOf("Con5ON")>0)
  {
    digitalWrite(5,HIGH);
    DurStopTime5=0;
    data4="4:O;";
  }

  if(data.indexOf("Con2OFF")>0)
  {
    StartTime2=millis();
    digitalWrite(2,LOW);
    DurStopTime2=DurStopTime;
    data1="1:F;";
  }
  if(data.indexOf("Con3OFF")>0)
  {
    StartTime3=millis();
    digitalWrite(3,LOW);
    DurStopTime3=DurStopTime;
    data2="2:F;";
  }
  if(data.indexOf("Con4OFF")>0)
  {
    StartTime4=millis();
    digitalWrite(4,LOW);
    DurStopTime4=DurStopTime;
    data3="3:F;";
  }
  if(data.indexOf("Con5OFF")>0)
  {
    StartTime5=millis();
    digitalWrite(5,LOW);
    DurStopTime5=DurStopTime;
    data4="4:F;";
  }
}
```

```
    delay(1000);
}
```