//---------------------------------pumpctrl---------------------------------------------------------------

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

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Open();

myport.Write("pumpon");

myport.Close();

}

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

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Open();

myport.Write("pumpoff");

myport.Close();

}

//----------------------------waterstatus----------------------------------------------------------------

private void waterstatus\_Click\_1(object sender, EventArgs e)//MAINS

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.DataReceived += Myport\_DataReceived;

try

{

myport.Open();

water\_box.Text = "";

}

catch (Exception ex1)

{

MessageBox.Show(ex1.Message, "Error");

}

}

private void Myport\_DataReceived(object sender, SerialDataReceivedEventArgs e) //SIDES

{

in\_data = myport.ReadLine();

this.Invoke(new EventHandler(displaydata1));

myport.Close();

}

private void displaydata1(object sender, EventArgs e)//SIDES

{

water\_box.Text = "" + in\_data;

}

//----------------------------temperature status----------------------------------------------------------

private void tempstatus\_Click(object sender, EventArgs e) // MAINS

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.DataReceived += Myport\_DataReceived1;

try

{

myport.Open();

templevel.Text = "" ;

}

catch (Exception ex2)

{

MessageBox.Show(ex2.Message, "Error");

}

}

private void Myport\_DataReceived1(object sender, SerialDataReceivedEventArgs e) // SIDES

{

in1\_data = myport.ReadLine();

this.Invoke(new EventHandler(displaydata));

myport.Close();

}

private void displaydata(object sender, EventArgs e) //SIDES

{

templevel.Text = "" + in1\_data;

}

//----------------------------heater btns------------------------------------------------

private void heateron\_Click\_1(object sender, EventArgs e)//MAINS

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Open();

myport.Write("heateron");

myport.Close();

}

private void heateroff\_Click(object sender, EventArgs e) //MAINS

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Open();

myport.Write("heateroff");

myport.Close();

}

//----------------------------trackbar-----------------------------------------------------

//--------------------------trackbarH

private void cam1start\_Click(object sender, EventArgs e)

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Open();

myport.Write("camhon");

}

private void cam1stop\_Click\_1(object sender, EventArgs e)

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Close();

}

private void trackBarH\_Scroll(object sender, EventArgs e) //MAINS

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

if (myport.IsOpen)

{

myport.WriteLine(trackBarH.Value.ToString());

}

}

//-----------------------------trackbarV

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

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Open();

myport.Write("camvon");

}

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

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

myport.Close();

}

private void trackBarV\_Scroll(object sender, EventArgs e) //MAINS

{

myport = new SerialPort();

myport.BaudRate = 9600;

try

{

myport.PortName = port\_name.Text;

}

catch (Exception ex\_port)

{ MessageBox.Show(ex\_port.Message, "Enter COM Port detail "); }

myport.Parity = Parity.None;

myport.DataBits = 8;

myport.StopBits = StopBits.One;

if (myport.IsOpen)

{

myport.WriteLine(trackBarV.Value.ToString());

}

}

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

{

trackBarH.Value = 90;

trackBarV.Value = 90;

}