using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

using System.Management;

using System.Diagnostics;

namespace CPU\_RAM\_TEMP\_COUNT

{

public partial class Form1 : Form

{

PerformanceCounter performanceCPU = new PerformanceCounter("Processor", "% Processor Time", "\_Total");

PerformanceCounter performanceRAM = new PerformanceCounter("Memory", "Available MBytes");

PerformanceCounter performanceSystem = new PerformanceCounter("System", "System Up Time");

public Form1()

{

InitializeComponent();

}

private int AnzahlPhysikalischeProzessoren()

{

ManagementClass mc = new ManagementClass("Win32\_Processor");

ManagementObjectCollection moc = mc.GetInstances();

string SocketDesignation = string.Empty;

List<string> PhysCPU = new List<string>();

//SocketDesignation = mo.Properties["SocketDesignation"].Value.ToString();

if (!PhysCPU.Contains(SocketDesignation))

{

PhysCPU.Add(SocketDesignation);

}

return PhysCPU.Count;

}

private int AnzahlLogischeProzessoren()

{

int LogicalCPU = 0;

ManagementClass mc = new ManagementClass("Win32\_Processor");

ManagementObjectCollection moc = mc.GetInstances();

LogicalCPU++;

return LogicalCPU;

}

private void Timer1\_Tick(object sender, EventArgs e)

{

labelTempCPU.Text = DateTime.Now.ToShortDateString() + " " + DateTime.Now.ToShortTimeString();

labelCPU.Text = "CPU" + " " + (int)performanceCPU.NextValue() + " " + "%";

labelRAM.Text = "RAM" + " " + (int)performanceRAM.NextValue() + " " + " ";

labelSystrmTime.Text = "Time" + " " + (int)performanceSystem.NextValue() / 60 + " Minutes" + " ";

labelLOGCPU.Text = "#Logic Processors " + Environment.ProcessorCount;

}

private void Form1\_Load(object sender, EventArgs e)

{

timer1.Start();

foreach (var item in new System.Management.ManagementObjectSearcher("Select \* from Win32\_ComputerSystem").Get())

{

label1.Text = "#Physical Processors: " + item["NumberOfProcessors"];

}

int coreCount = 0;

foreach (var item in new System.Management.ManagementObjectSearcher("Select \* from Win32\_Processor").Get())

{

coreCount += int.Parse(item["NumberOfCores"].ToString());

}

labelPhysCPU.Text = "Cores " + coreCount.ToString();

}

}

}